

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051964.D
 Acq On : 23 Oct 2018 14:54
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:31 AM

Quant Time: Oct 24 04:43:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1266811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1830336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1752496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1036818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1593509	141.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.48%	
35) Dibromofluoromethane	7.59	113	1765422	151.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.32%	
50) Toluene-d8	10.09	98	6531333	154.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.50%	
62) 4-Bromofluorobenzene	12.40	95	2298115	158.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1139697	141.770	ug/l	99
3) Chloromethane	2.06	50	1001001	138.291	ug/l	97
4) Vinyl Chloride	2.19	62	1324857	136.551	ug/l	100
5) Bromomethane	2.55	94	1335686	143.785	ug/l	97
6) Chloroethane	2.70	64	968272	134.424	ug/l	99
7) Trichlorofluoromethane	3.02	101	2552066	147.622	ug/l	99
8) Diethyl Ether	3.41	74	707147	137.581	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1418813	137.002	ug/l	99
10) Methyl Iodide	3.96	142	2435482	158.952	ug/l	99
11) Tert butyl alcohol	4.78	59	403892	687.771	ug/l	100
12) 1,1-Dichloroethene	3.74	96	1329690	143.371	ug/l	98
13) Acrolein	3.61	56	284262	973.728	ug/l	100
14) Allyl chloride	4.33	41	1407068	159.215	ug/l	98
15) Acrylonitrile	4.99	53	1754173	731.486	ug/l	99
16) Acetone	3.82	43	1199997	645.553	ug/l	98
17) Carbon Disulfide	4.06	76	3400091	154.227	ug/l	100
18) Methyl Acetate	4.32	43	788201	125.670	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	3540989	142.208	ug/l	97
20) Methylene Chloride	4.55	84	1474438	135.212	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	1544029	147.001	ug/l	98
22) Diisopropyl ether	5.95	45	3229389	147.092	ug/l	97
23) Vinyl Acetate	5.90	43	11295654	739.533	ug/l	98
24) 1,1-Dichloroethane	5.85	63	2305378	140.635	ug/l	99
25) 2-Butanone	6.84	43	1860879	702.219	ug/l	97
26) 2,2-Dichloropropane	6.83	77	2188110	145.894	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1816409	148.690	ug/l	97
28) Bromochloromethane	7.20	49	975404	147.637	ug/l	90
29) Tetrahydrofuran	7.21	42	1170946	652.174	ug/l	98
30) Chloroform	7.37	83	2848825	142.326	ug/l	99
31) Cyclohexane	7.66	56	1878000	106.351	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	2719283	148.567	ug/l	99
36) 1,1-Dichloropropene	7.80	75	2026945	144.366	ug/l	98
37) Ethyl Acetate	6.93	43	880823	143.038	ug/l	99
38) Carbon Tetrachloride	7.78	117	2532023	157.088	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2560769	149.328	ug/l	98
40) Benzene	8.04	78	6082459	145.907	ug/l	99
41) Methacrylonitrile	7.18	41	421907	133.726	ug/l #	93
42) 1,2-Dichloroethane	8.13	62	1851174	138.497	ug/l	99
43) Isopropyl Acetate	8.17	43	1694721	144.128	ug/l	98
44) Trichloroethene	8.84	130	2027659	151.536	ug/l	95
45) 1,2-Dichloropropane	9.12	63	1371969	145.486	ug/l	99
46) Dibromomethane	9.21	93	1094333	143.957	ug/l	94
47) Bromodichloromethane	9.40	83	2206295	153.677	ug/l	98
48) Methyl methacrylate	9.20	41	807326	142.050	ug/l	99
49) 1,4-Dioxane	9.20	88	309527	2970.115	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	4528766	700.195	ug/l	99
52) Toluene	10.16	92	4335255	153.359	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	2214869	168.381	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2441053	162.674	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1544343	147.860	ug/l	99
56) Ethyl methacrylate	10.43	69	1723049	153.469	ug/l	98
57) 1,3-Dichloropropane	10.71	76	2282767	143.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	4483040	763.126	ug/l	98
59) 2-Hexanone	10.75	43	3103932	714.250	ug/l	98
60) Dibromochloromethane	10.90	129	2039787	174.269	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1699567	154.328	ug/l	100
64) Tetrachloroethene	10.63	164	2078448	154.521	ug/l	97
65) Chlorobenzene	11.43	112	5281564	149.266	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	2057700	161.794	ug/l	100
67) Ethyl Benzene	11.51	91	8550464	150.335	ug/l	99
68) m/p-Xylenes	11.62	106	7112450	312.987	ug/l	99
69) o-Xylene	11.95	106	3460400	156.575	ug/l	97
70) Styrene	11.96	104	5766498	163.248	ug/l	98
71) Bromoform	12.13	173	1494089	192.590	ug/l #	100
73) Isopropylbenzene	12.25	105	9283295	141.180	ug/l	99
74) N-amyl acetate	12.07	43	1731675	133.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1774631	130.614	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1390013m	131.644	ug/l	
77) Bromobenzene	12.53	156	2733367	150.623	ug/l	93
78) n-propylbenzene	12.59	91	10126601	142.763	ug/l	99
79) 2-Chlorotoluene	12.67	91	5748378	139.161	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7735719	146.634	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	505663	175.154	ug/l	93
82) 4-Chlorotoluene	12.77	91	6020515	140.772	ug/l	98
83) tert-Butylbenzene	12.99	119	7088872	142.073	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	7845765	144.178	ug/l	99
85) sec-Butylbenzene	13.17	105	9376961	143.890	ug/l	99
86) p-Isopropyltoluene	13.29	119	8853803	150.906	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	4990126	149.093	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	4937107	149.623	ug/l	99
89) n-Butylbenzene	13.62	91	6976644	149.336	ug/l	99
90) Hexachloroethane	13.87	117	1415213	161.910	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	4759329	146.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	284674	136.461	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3040884	158.990	ug/l	100
94) Hexachlorobutadiene	15.01	225	1457363	148.291	ug/l	98
95) Naphthalene	15.13	128	6394159	153.937	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	2830938	154.849	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

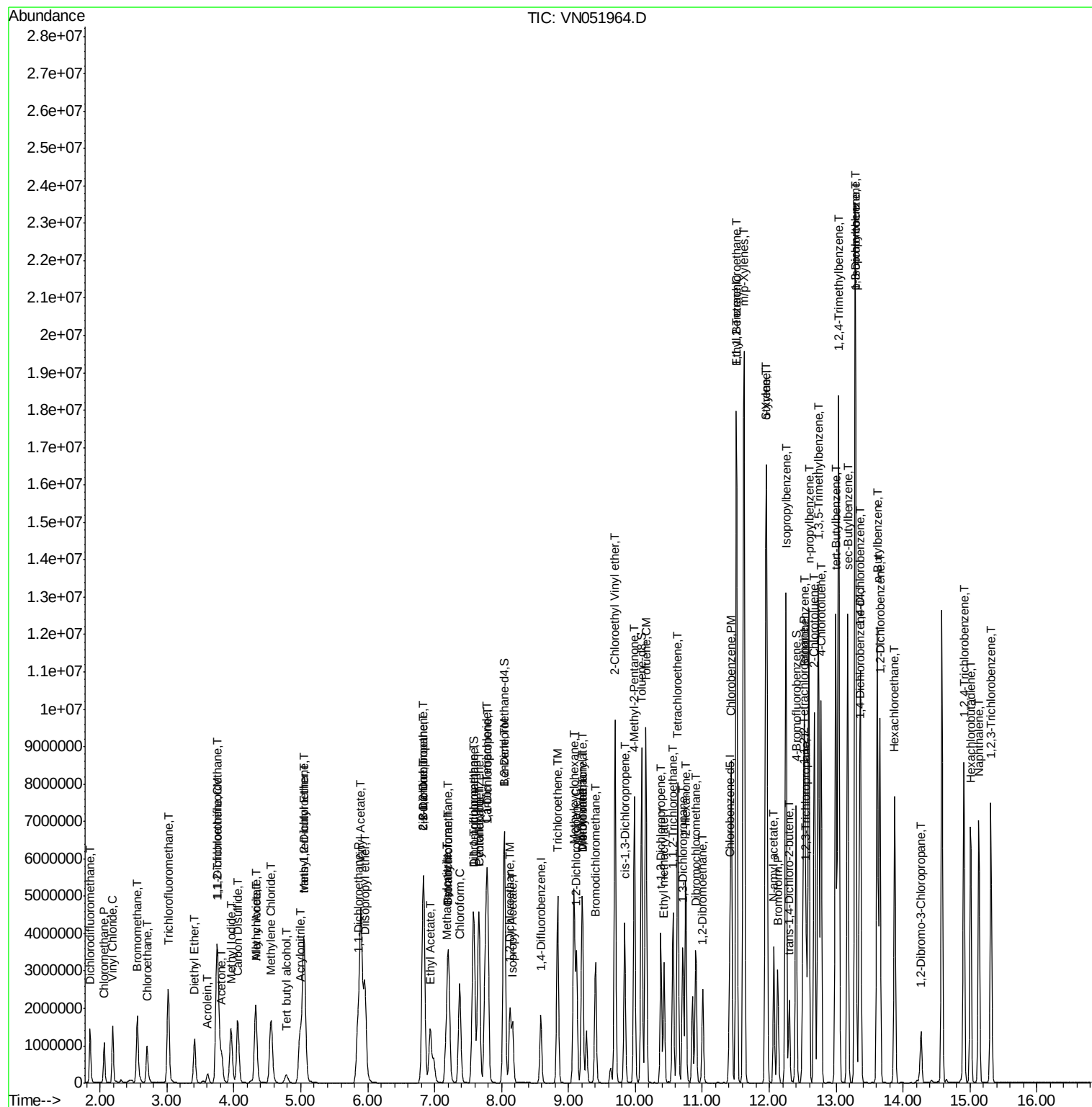
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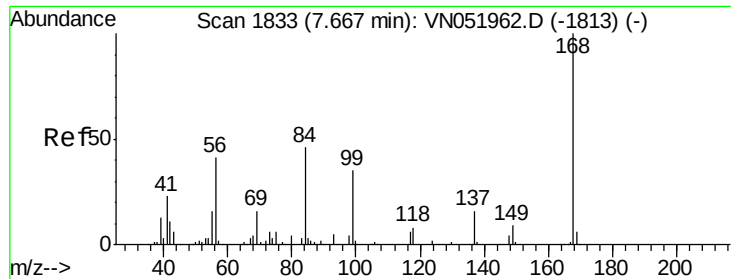
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 1266811

Ion Ratio Lower Upper

168 100

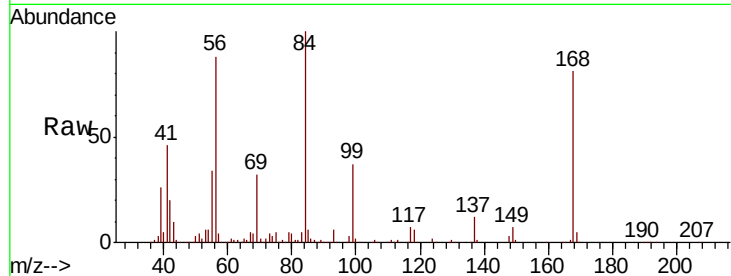
99 45.8 37.8 56.6

Manual Integrations

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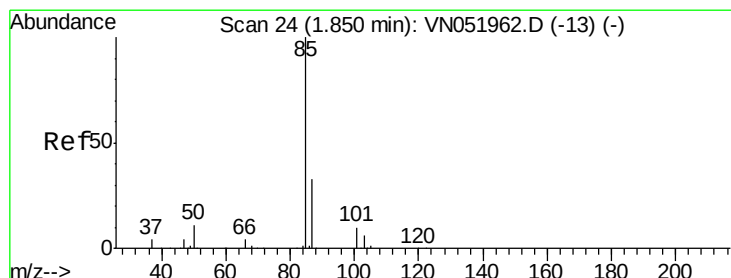
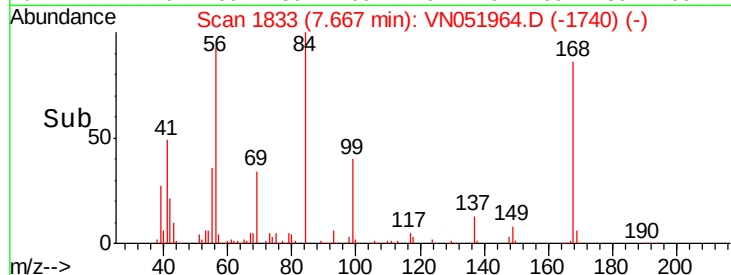
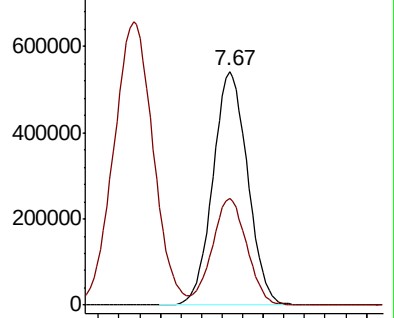
MMDadoda

10/24/2018 10:09:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 141.770 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051964.D

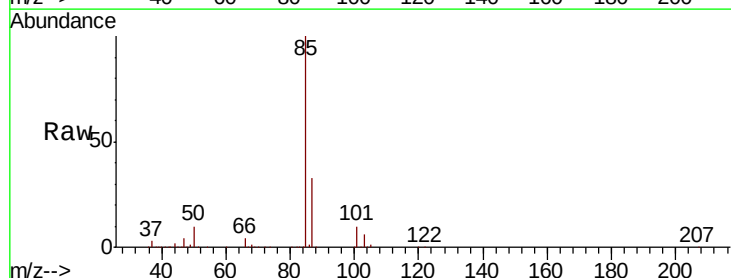
Acq: 23 Oct 2018 14:54

Tgt Ion: 85 Resp: 1139697

Ion Ratio Lower Upper

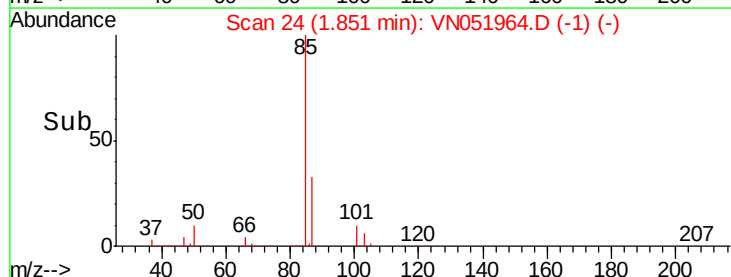
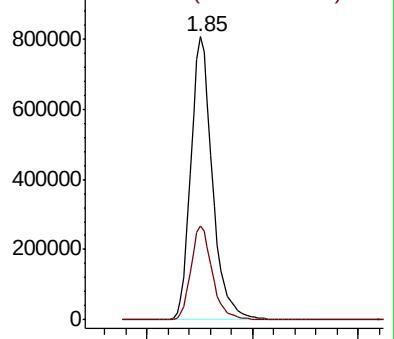
85 100

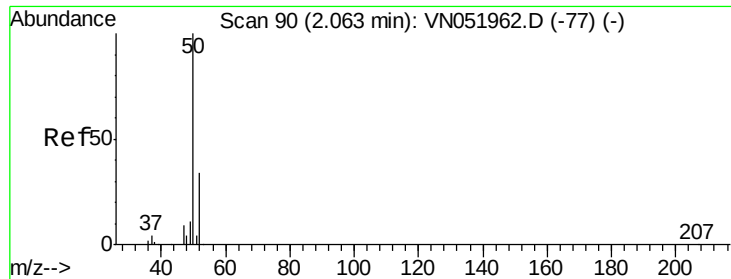
87 33.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 138.291 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Tot Ion: 50 Resp: 1001001

Ion Ratio Lower Upper

50 100

52 32.5 27.5 41.3

Instrument :

MSVOA_N

ClientSampleId :

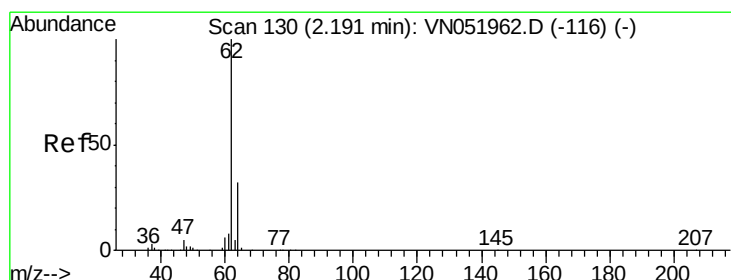
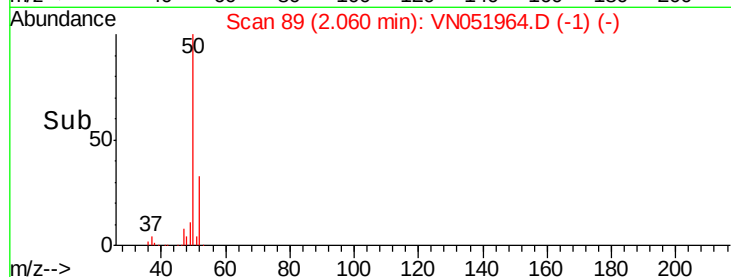
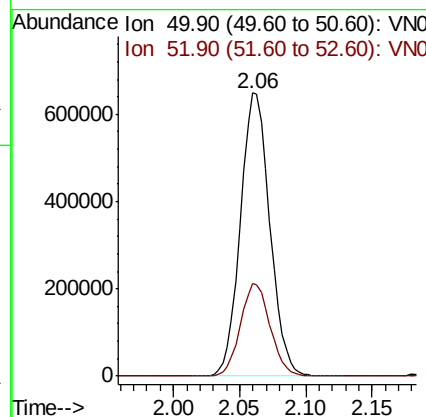
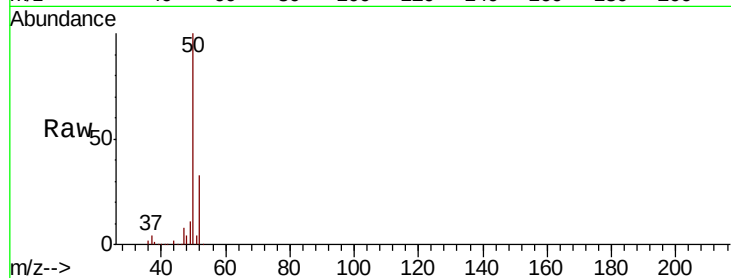
VSTDIC150

Manual Integrations

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#4

Vinyl Chloride

Concen: 136.551 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN051964.D

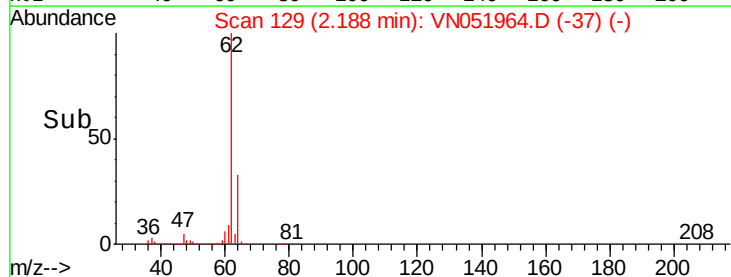
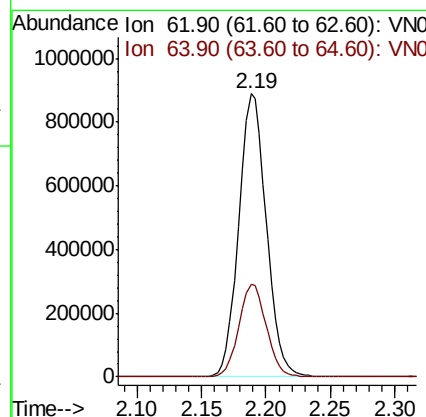
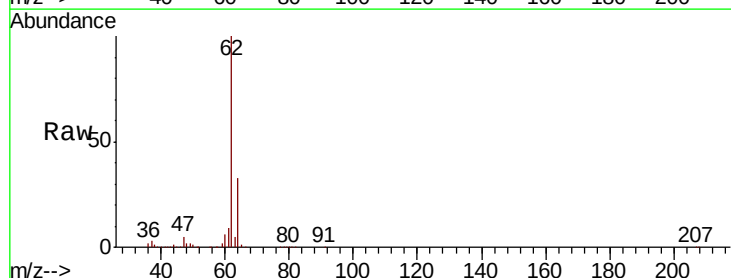
Acq: 23 Oct 2018 14:54

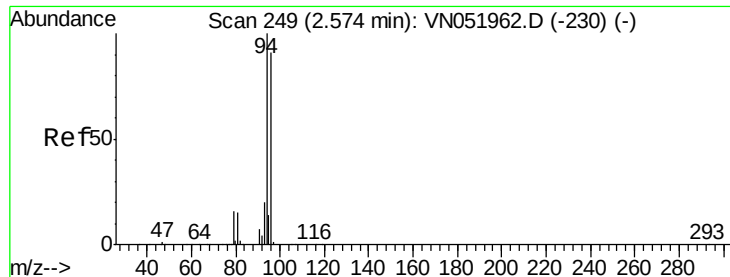
Tgt Ion: 62 Resp: 1324857

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0





#5

Bromomethane

Concen: 143.785 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1335686

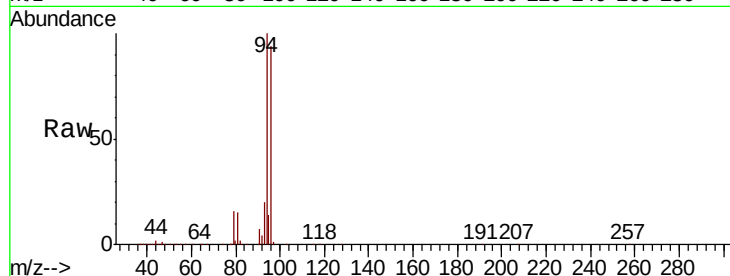
Ion Ratio Lower Upper

94 100

96 94.3 73.0 109.6

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Abundance Ion 93.90 (93.60 to 94.60): VN051964.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN051964.D (-156) (-)

2.55

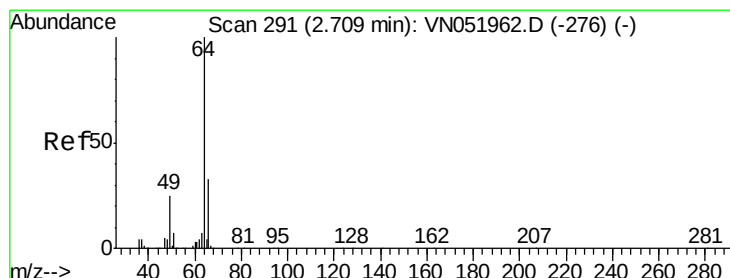
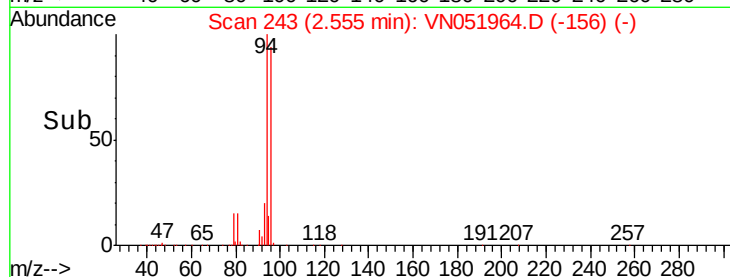
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 134.424 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN051964.D

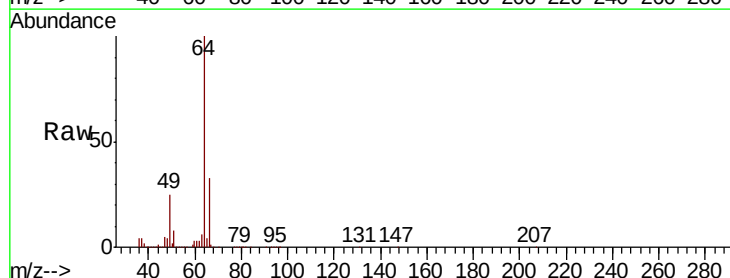
Acq: 23 Oct 2018 14:54

Tgt Ion: 64 Resp: 968272

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN051964.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN051964.D (-198) (-)

2.70

500000

400000

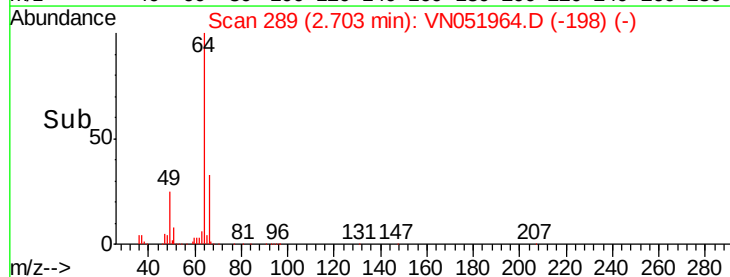
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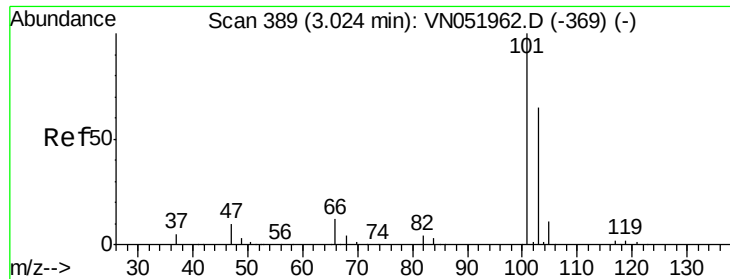
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100000

0

Time-->





#7

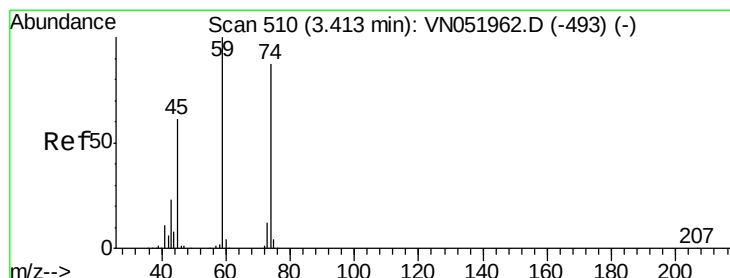
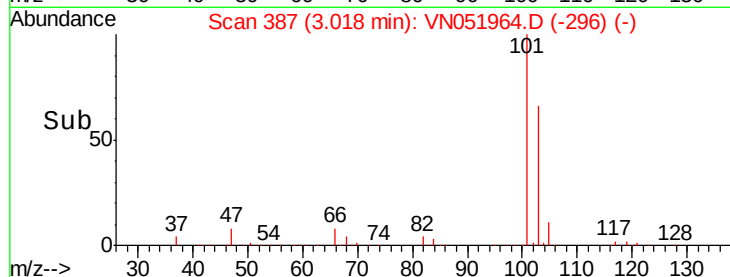
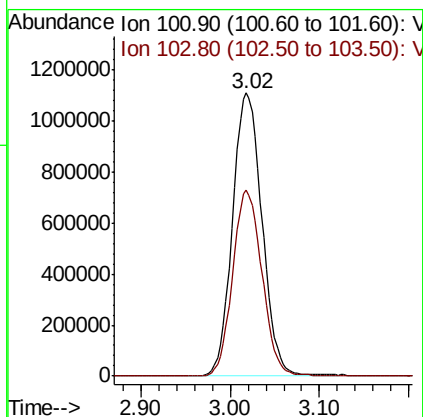
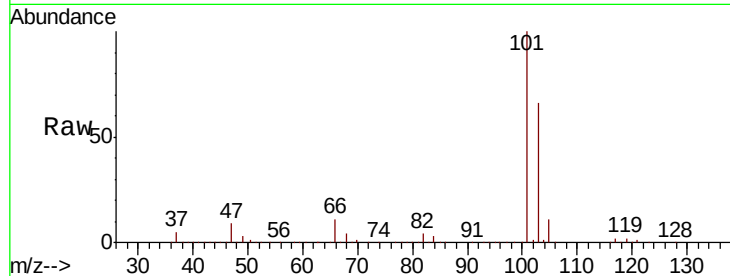
Trichlorofluoromethane
Concen: 147.622 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
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Tot Ion:101 Resp: 2552066
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

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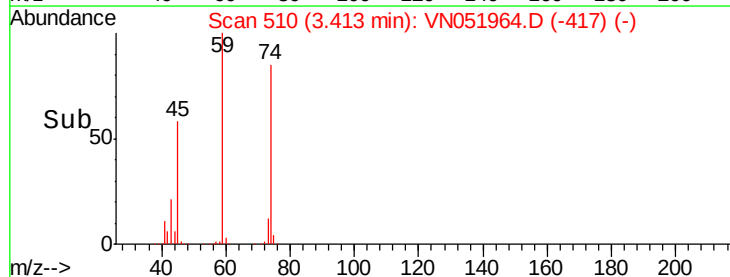
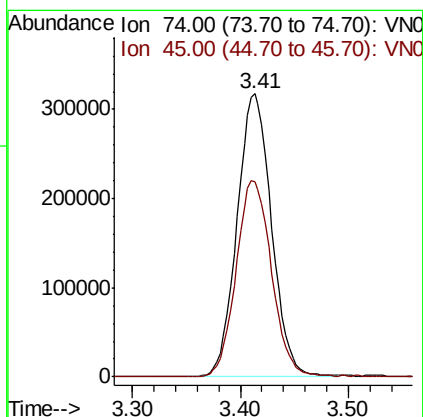
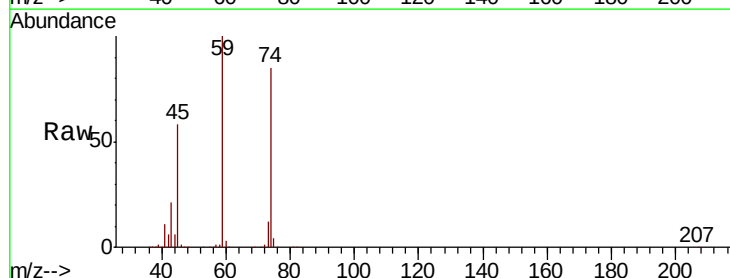
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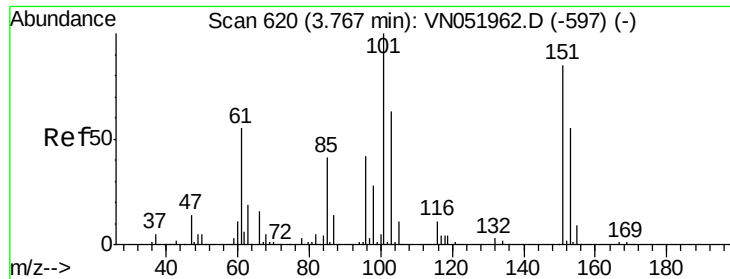


#8

Diethyl Ether
Concen: 137.581 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 74 Resp: 707147
Ion Ratio Lower Upper
74 100
45 71.1 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.002 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1418813

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

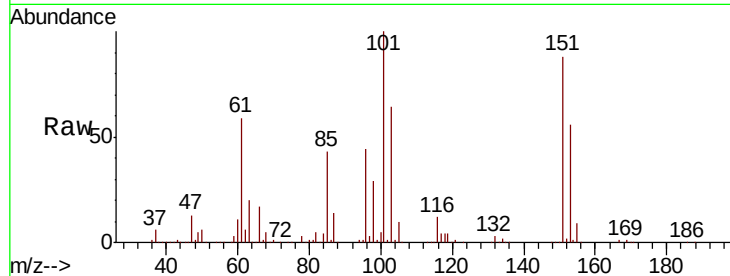
151 87.8 69.1 103.7

Manual Integrations

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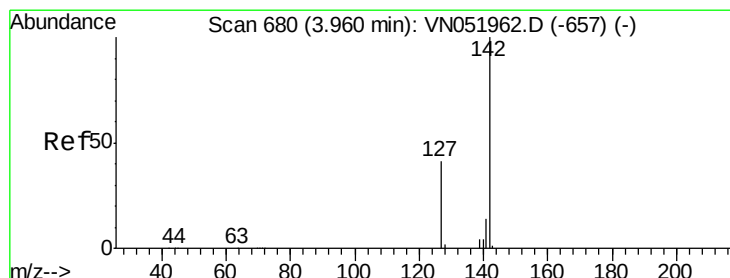
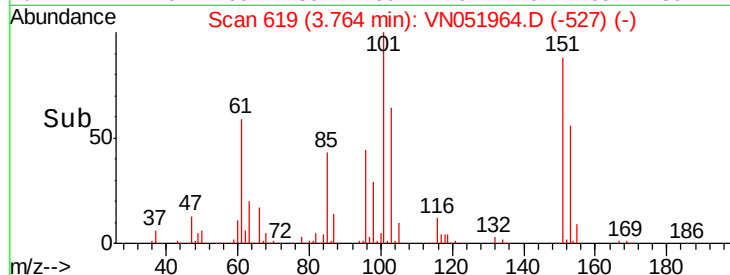
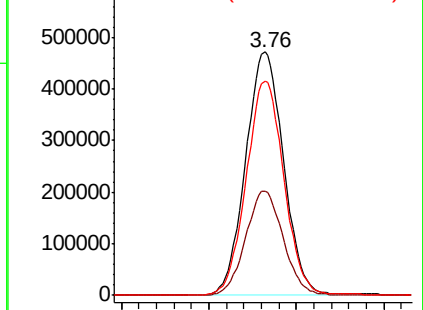


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 158.952 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

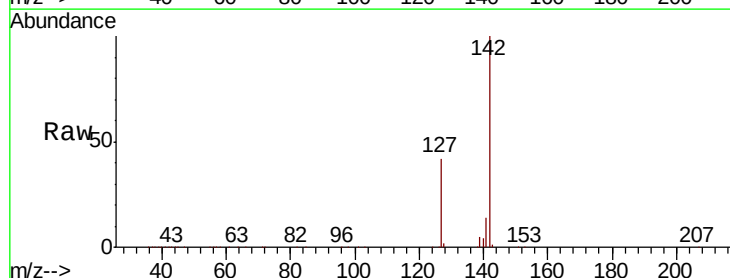
Tgt Ion:142 Resp: 2435482

Ion Ratio Lower Upper

142 100

127 42.2 34.3 51.5

141 14.1 11.4 17.0

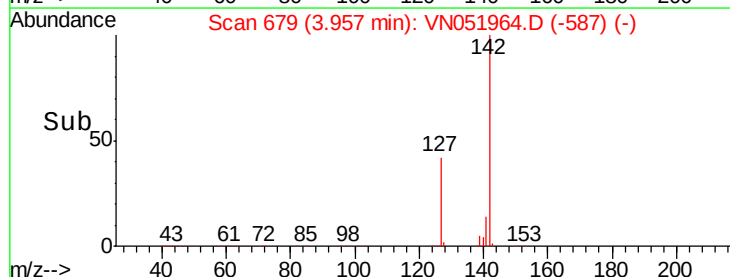
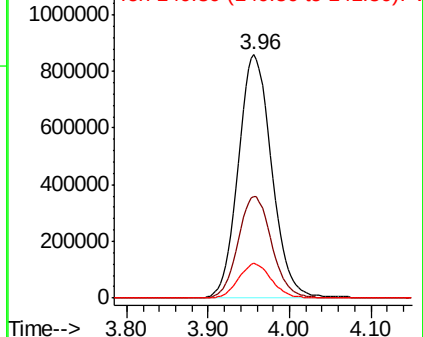


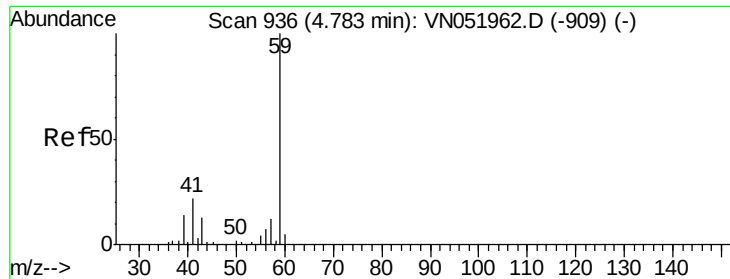
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





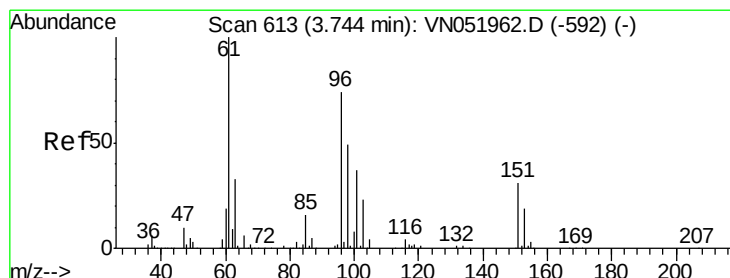
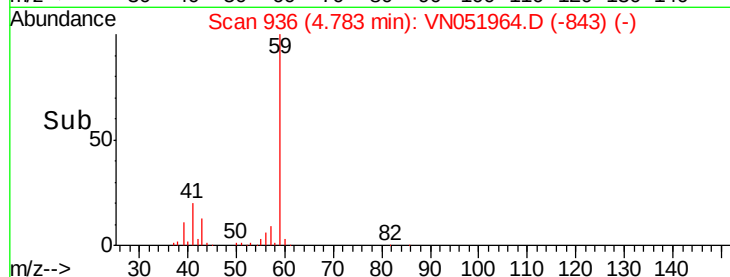
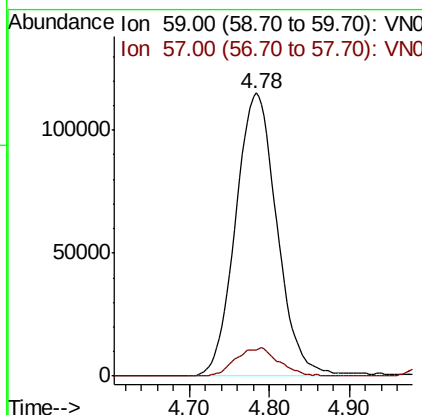
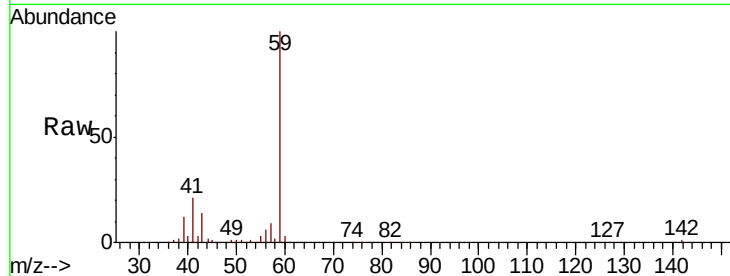
#11
Tert butyl alcohol
Concen: 687.771 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 403892
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

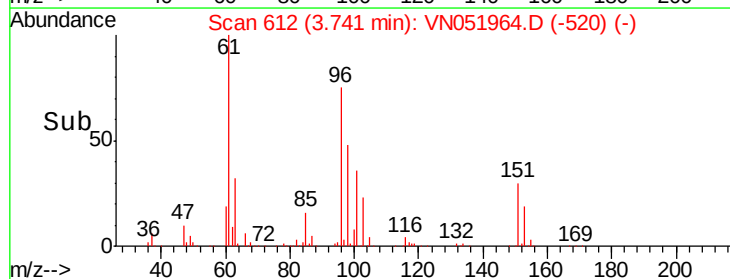
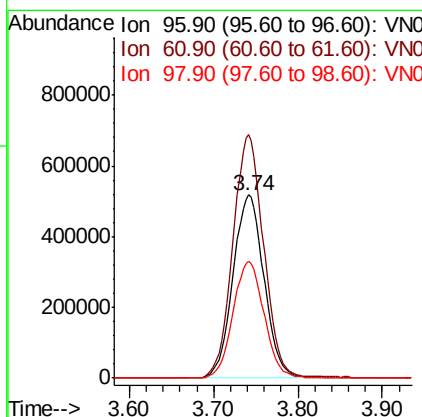
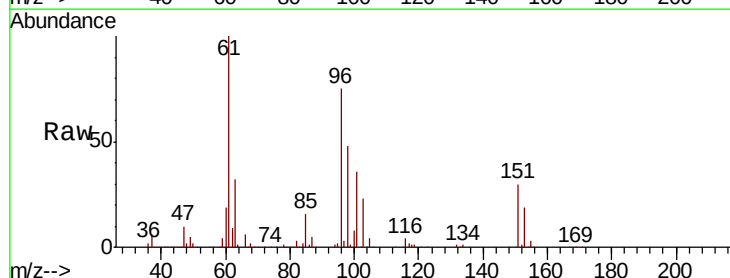
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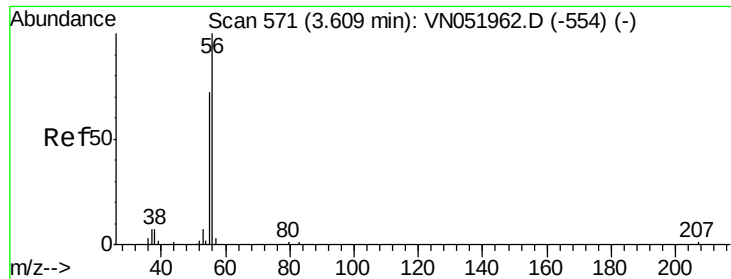
MMDadoda
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#12
1,1-Dichloroethene
Concen: 143.371 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 96 Resp: 1329690
Ion Ratio Lower Upper
96 100
61 133.0 107.8 161.8
98 63.6 52.7 79.1





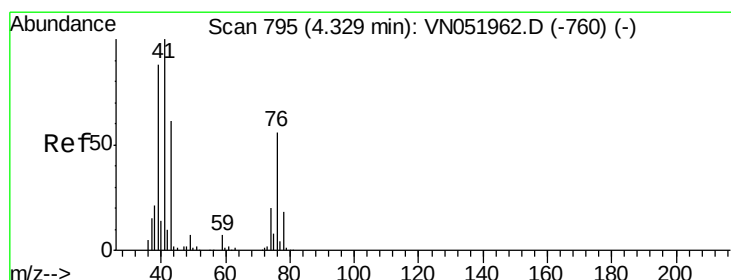
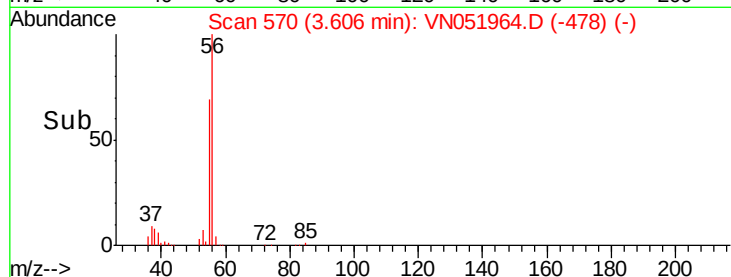
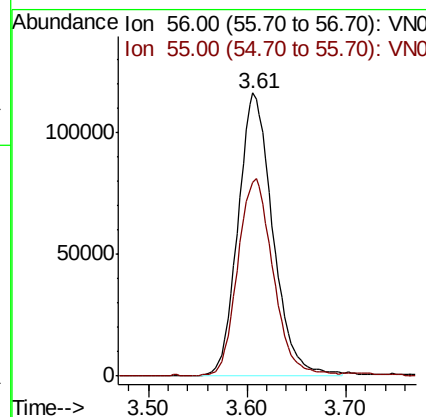
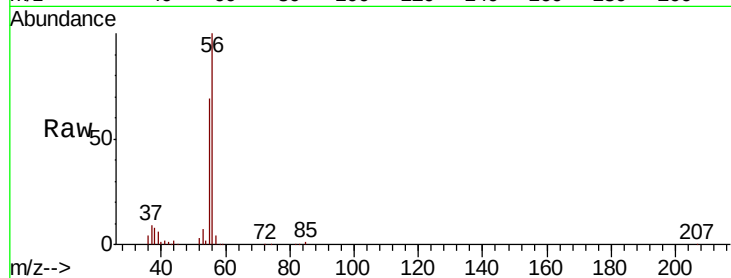
#13
Acrolein
Concen: 973.728 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.6	84.8

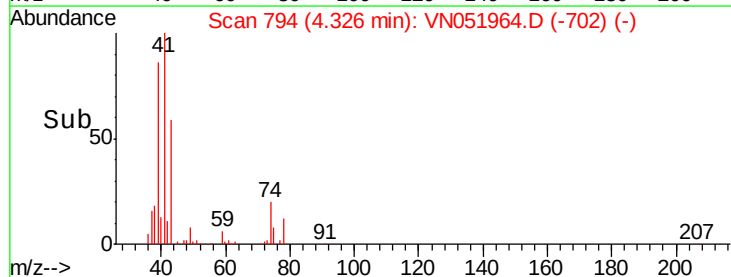
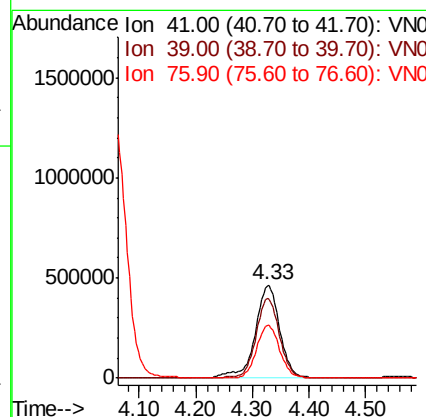
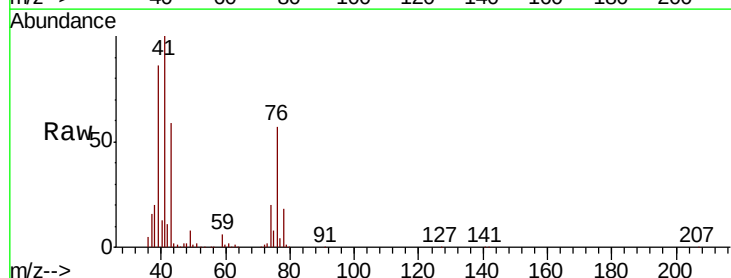
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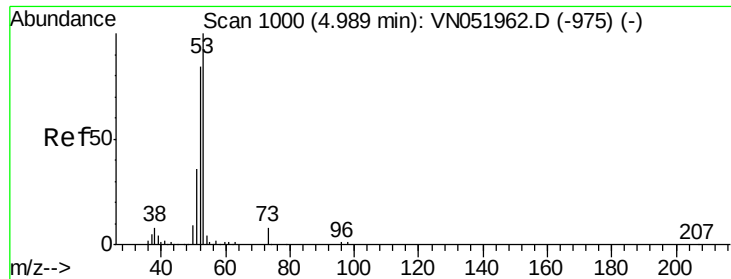
MMDadoda
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#14
Allyl chloride
Concen: 159.215 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	82.5	67.7	101.5
76	53.5	41.3	61.9





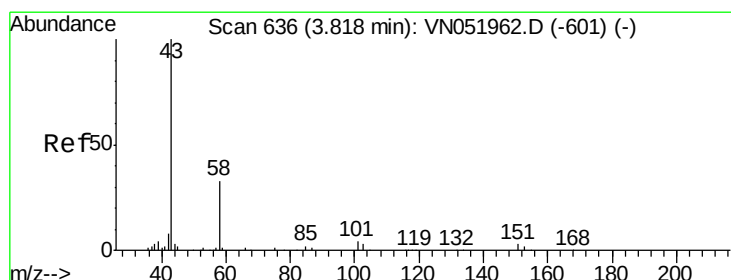
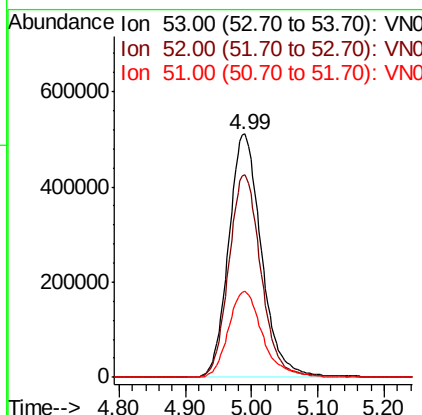
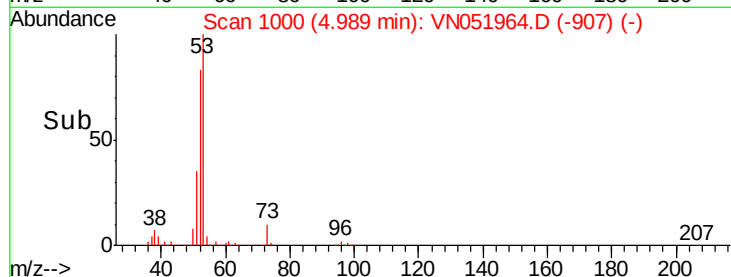
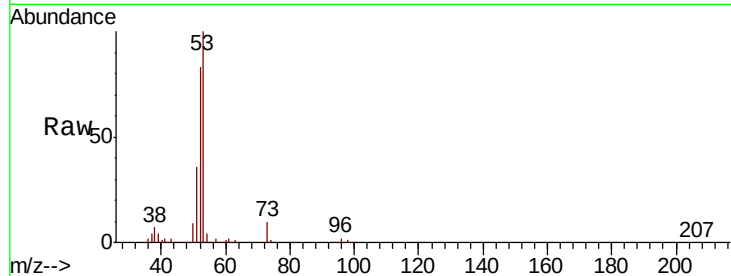
#15
 Acrylonitrile
 Concen: 731.486 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	53	Resp	1754173
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.0	100.4
51	37.0	29.5	44.3

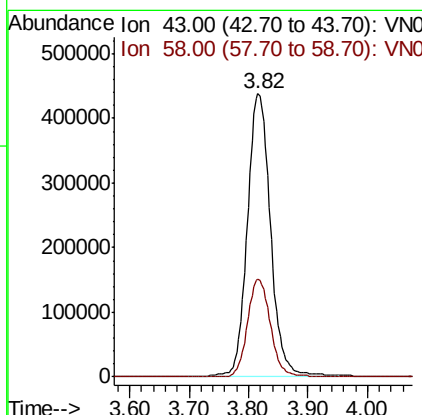
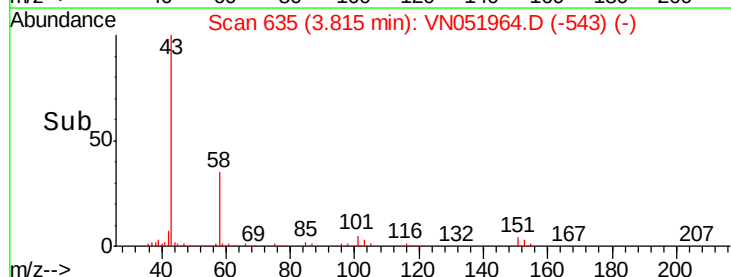
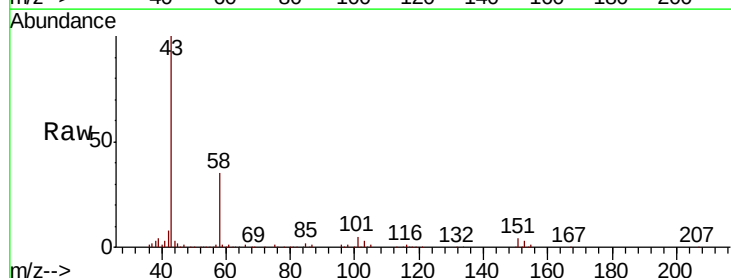
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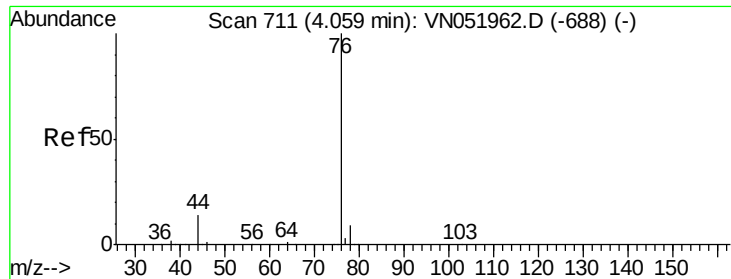
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 10/24/2018 10:09:31 AM



#16
 Acetone
 Concen: 645.553 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion	43	Resp	1199997
Ion	Ratio	Lower	Upper
43	100		
58	34.5	26.7	40.1





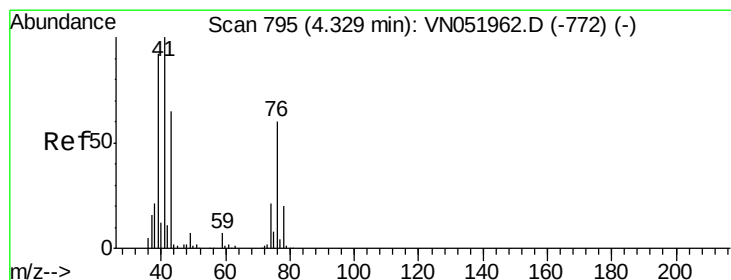
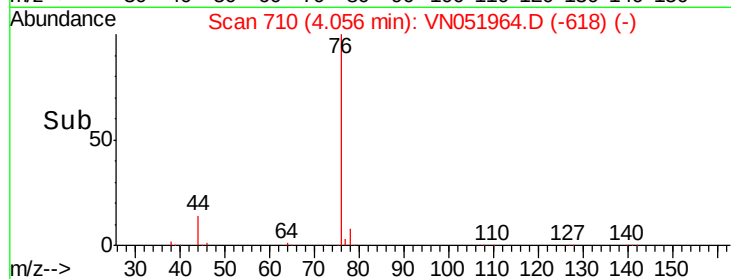
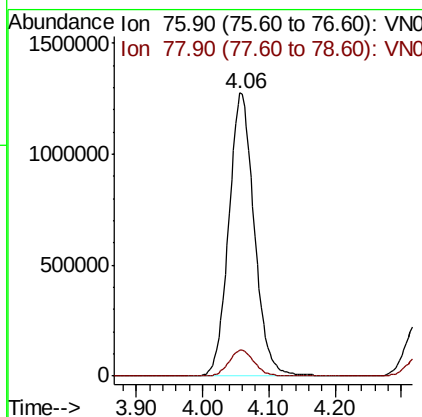
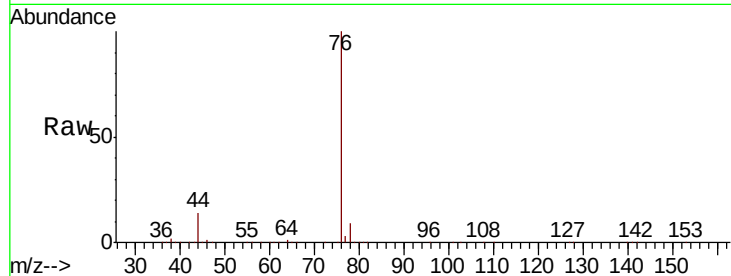
#17
Carbon Disulfide
Concen: 154.227 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3400091
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

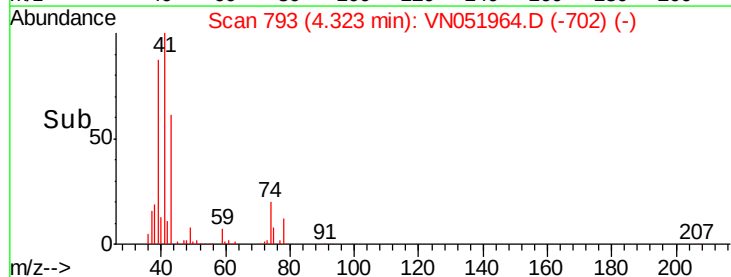
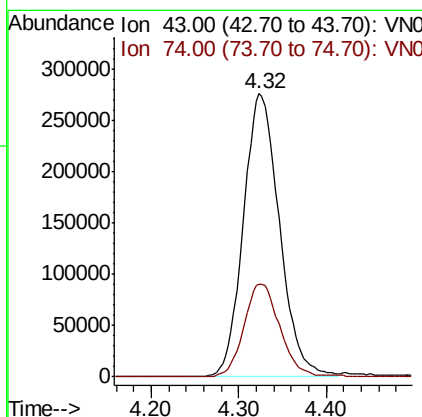
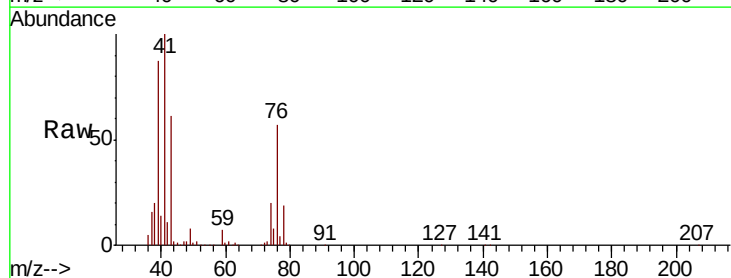
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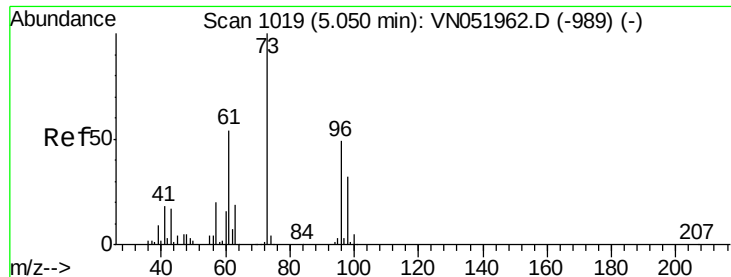
MMDadoda
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#18
Methyl Acetate
Concen: 125.670 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 43 Resp: 788201
Ion Ratio Lower Upper
43 100
74 32.8 25.7 38.5





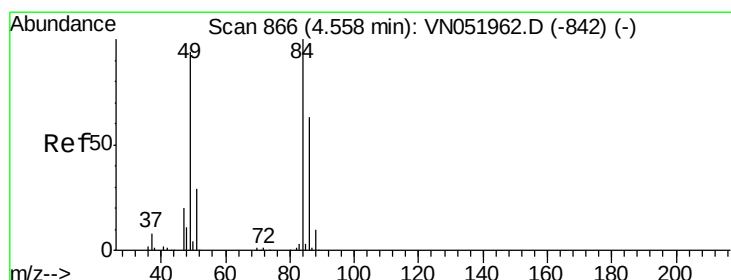
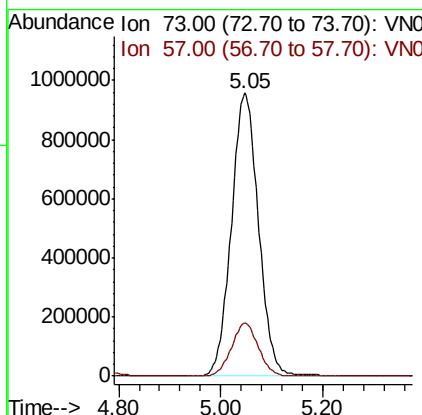
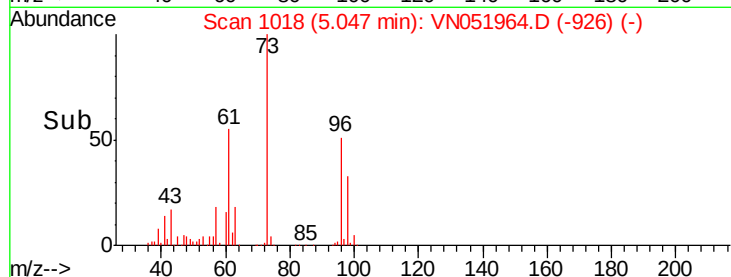
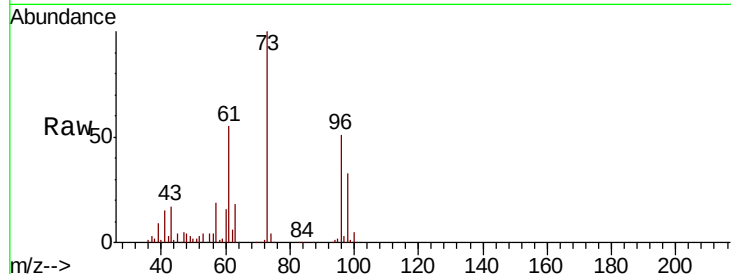
#19
Methyl tert-butyl Ether
Concen: 142.208 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 3540989
Ion Ratio Lower Upper
73 100
57 18.7 15.9 23.9

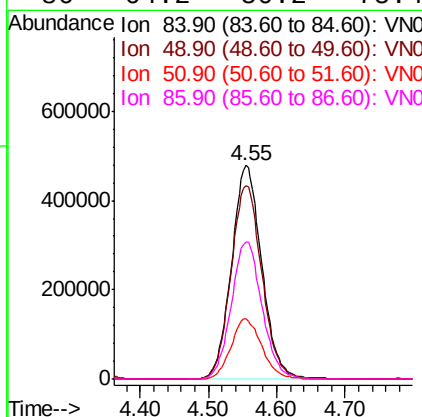
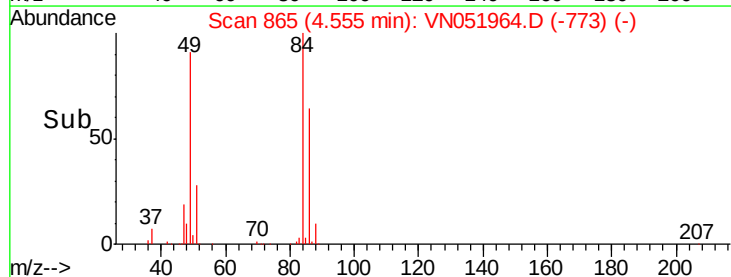
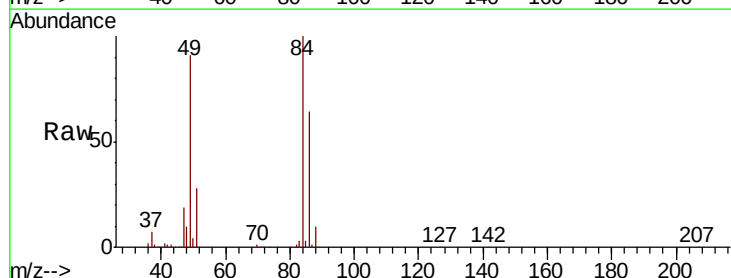
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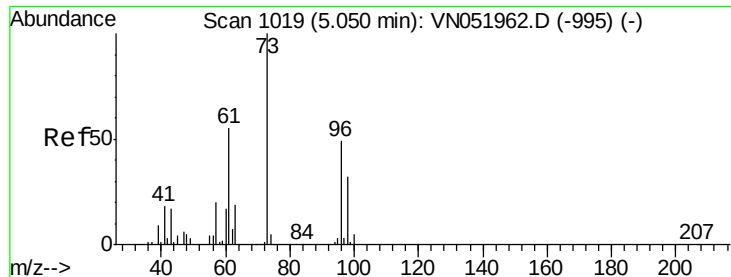
MMDadoda
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#20
Methylene Chloride
Concen: 135.212 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 84 Resp: 1474438
Ion Ratio Lower Upper
84 100
49 90.7 75.4 113.0
51 28.0 23.1 34.7
86 64.2 50.2 75.4





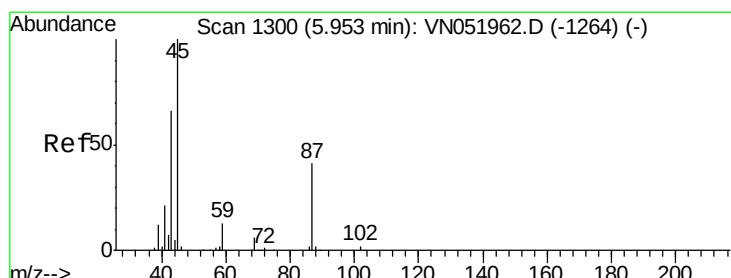
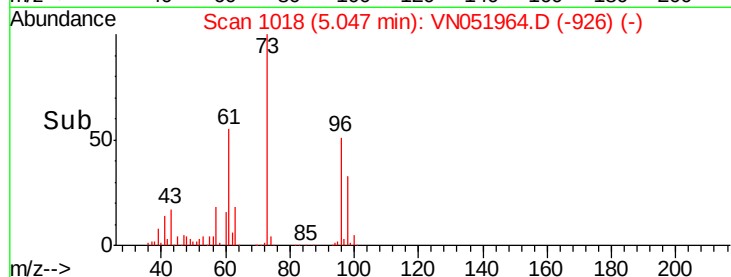
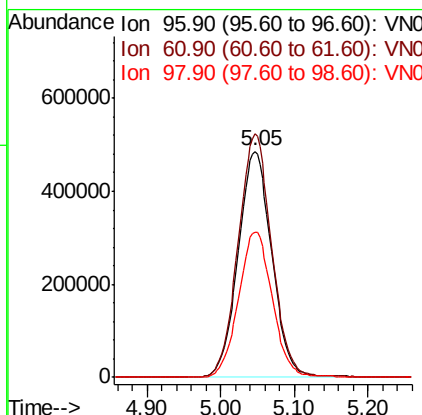
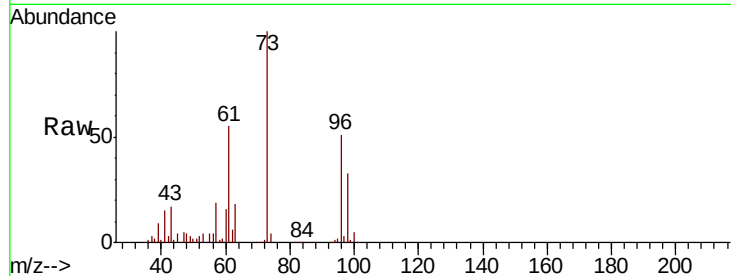
#21
trans-1,2-Dichloroethene
Concen: 147.001 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1544029
Ion Ratio Lower Upper
96 100
61 107.8 89.0 133.4
98 64.2 51.8 77.8

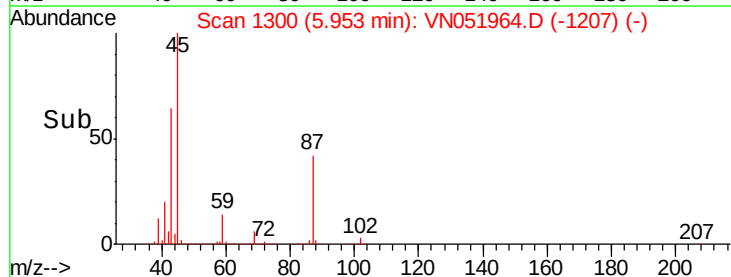
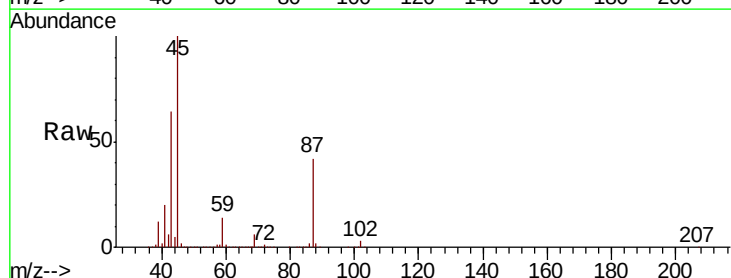
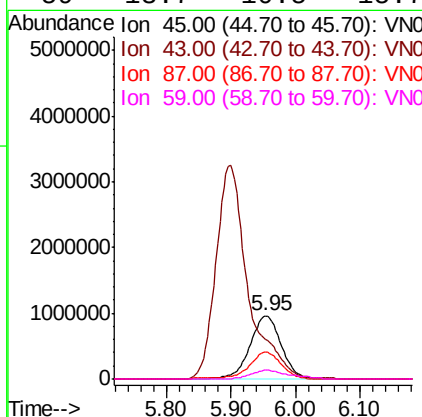
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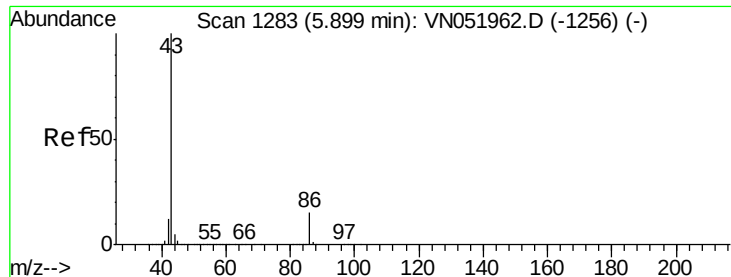
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#22
Diisopropyl ether
Concen: 147.092 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 45 Resp: 3229389
Ion Ratio Lower Upper
45 100
43 62.6 52.9 79.3
87 42.0 33.4 50.0
59 13.7 10.5 15.7





#23

Vinyl Acetate

Concen: 739.533 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 11295654

Ion Ratio Lower Upper

43 100

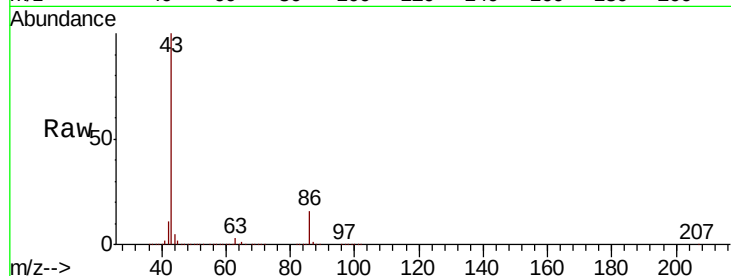
86 15.5 11.9 17.9

Manual Integrations

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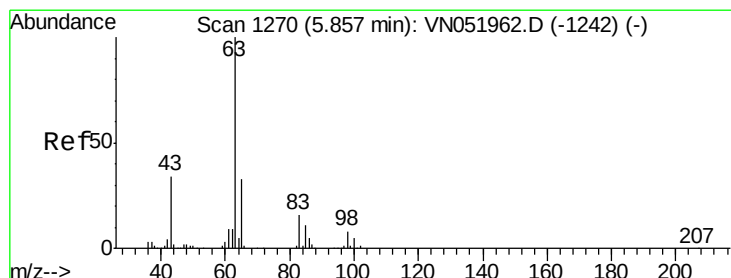
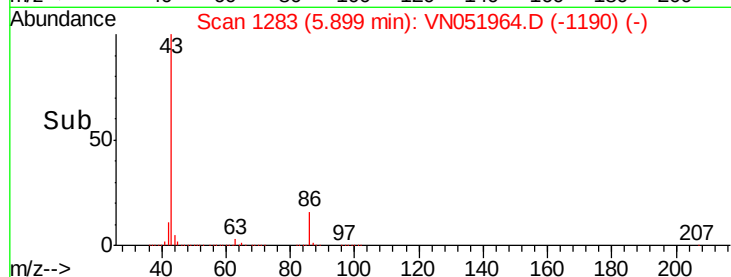
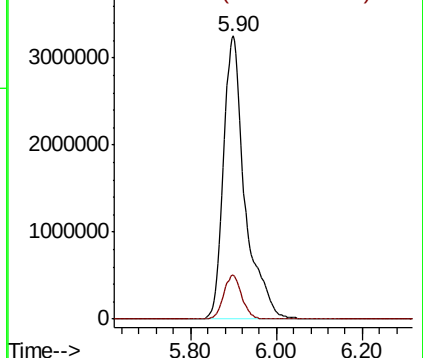
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 140.635 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

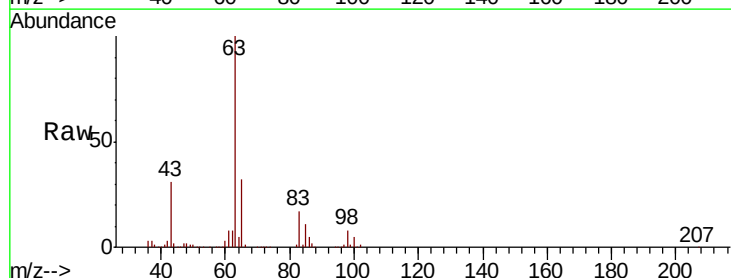
Tgt Ion: 63 Resp: 2305378

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.7

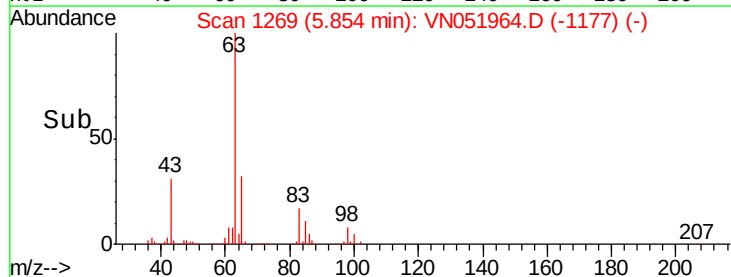
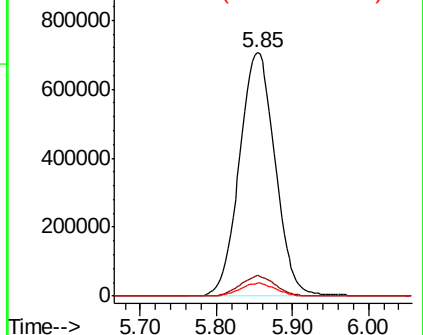
100 5.2 2.6 8.0

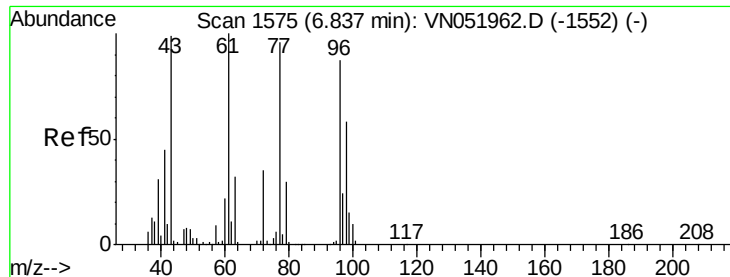


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





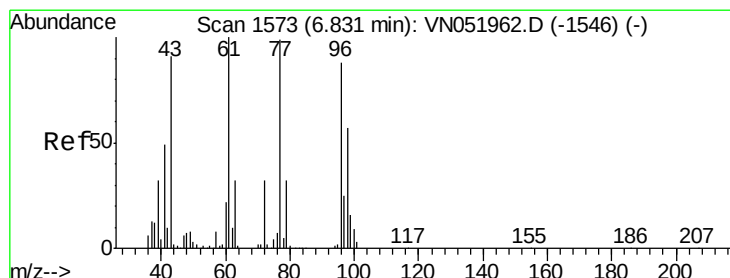
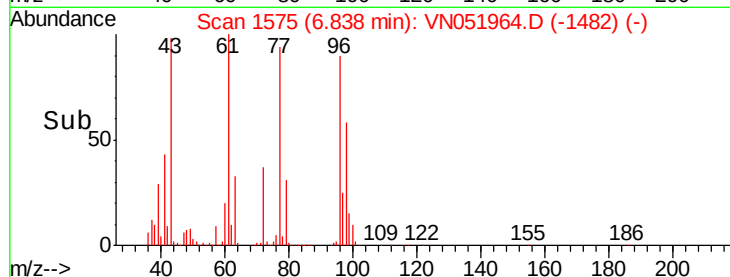
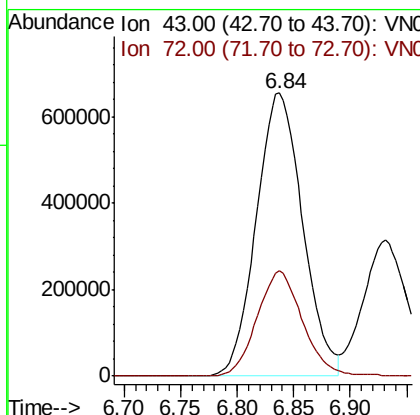
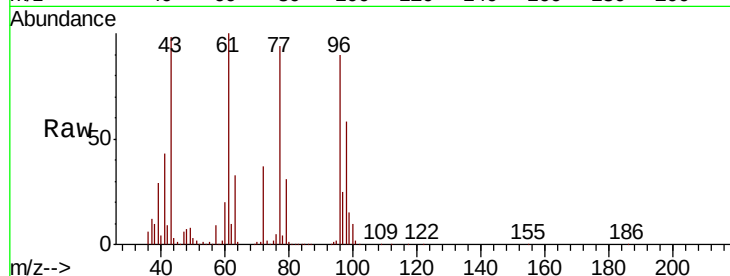
#25
2-Butanone
Concen: 702.219 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1860879
Ion Ratio Lower Upper
43 100
72 37.4 28.5 42.7

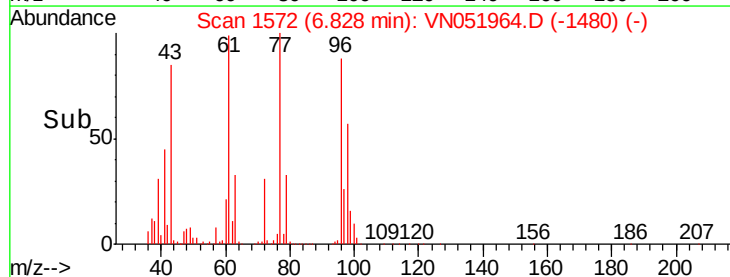
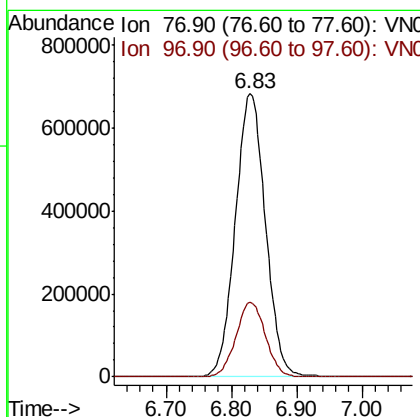
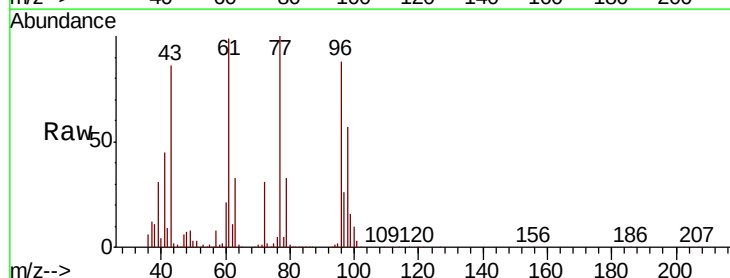
Manual Integrations
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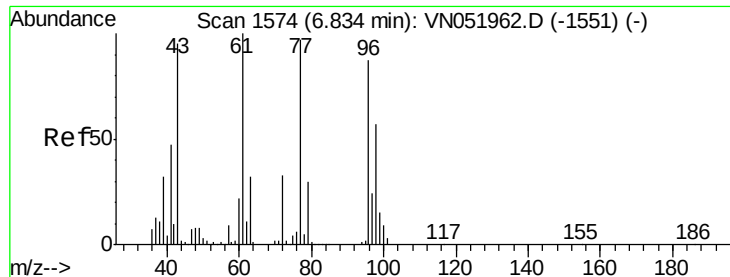
MMDadoda
10/24/2018 10:09:31 AM



#26
2,2-Dichloropropane
Concen: 145.894 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 77 Resp: 2188110
Ion Ratio Lower Upper
77 100
97 25.9 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 148.690 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1816409

Ion Ratio Lower Upper

96 100

61 112.5 0.0 234.4

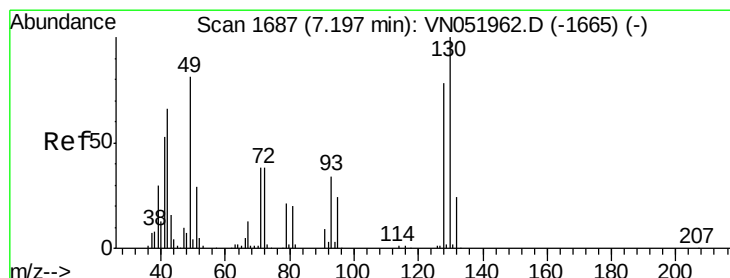
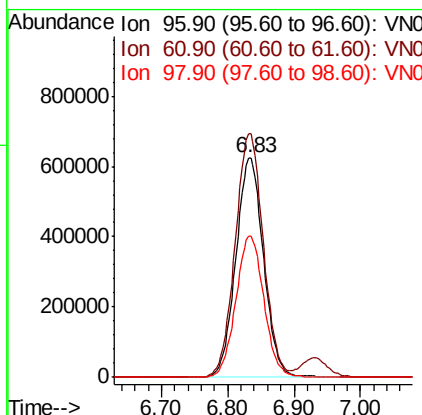
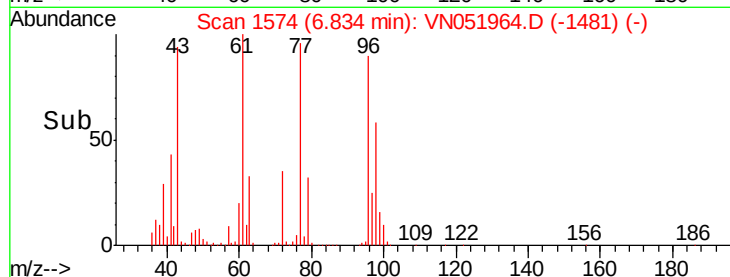
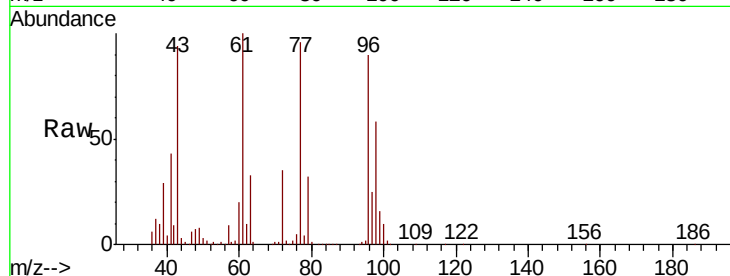
98 65.2 0.0 131.6

Manual Integrations

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MMDadoda

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#28

Bromochloromethane

Concen: 147.637 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

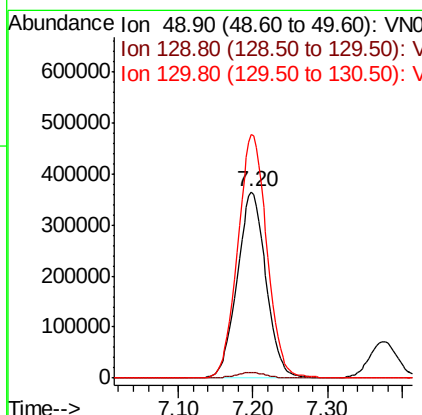
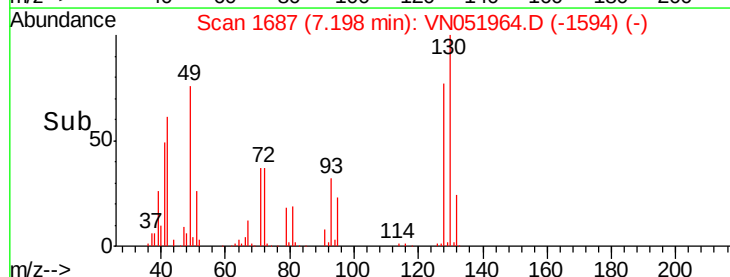
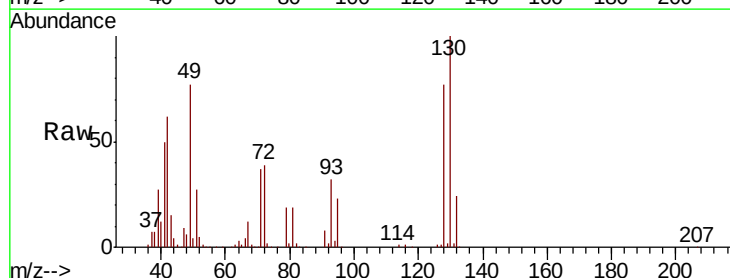
Tgt Ion: 49 Resp: 975404

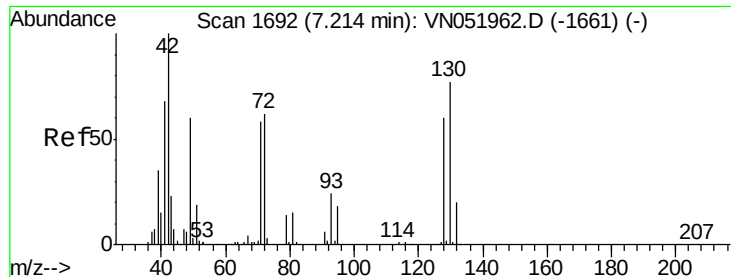
Ion Ratio Lower Upper

49 100

129 3.3 0.0 5.4

130 132.5 97.0 145.6





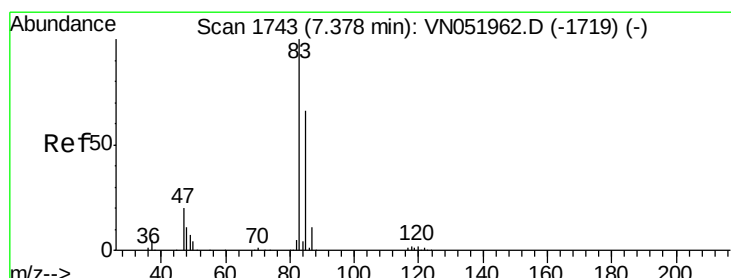
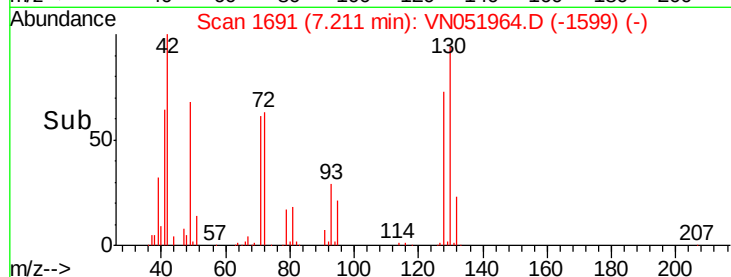
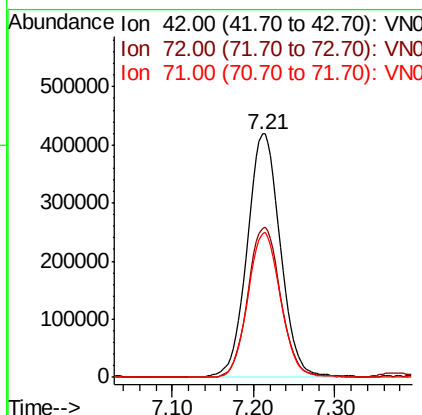
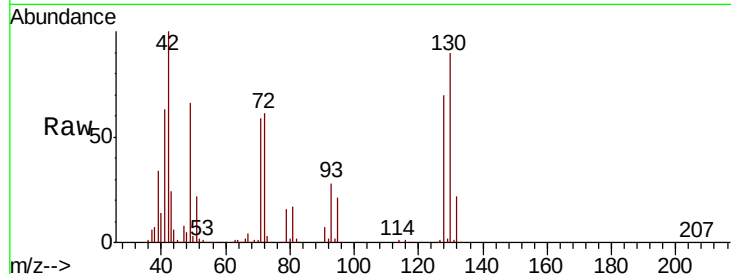
#29
Tetrahydrofuran
Concen: 652.174 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1170946
Ion Ratio Lower Upper
42 100
72 61.3 47.5 71.3
71 58.6 45.4 68.2

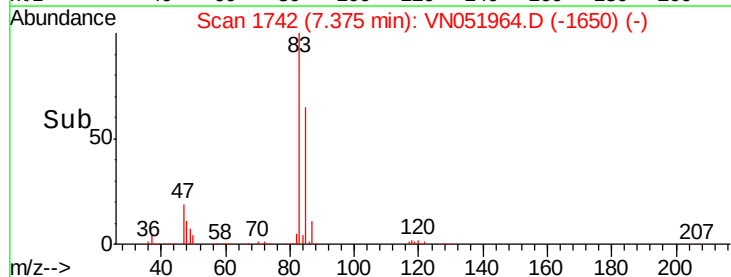
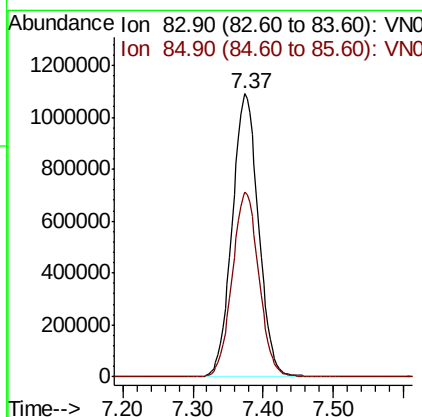
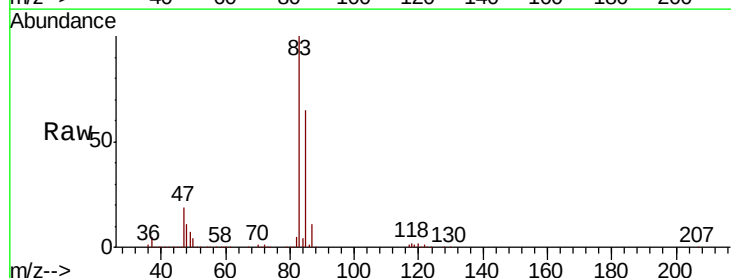
Manual Integrations
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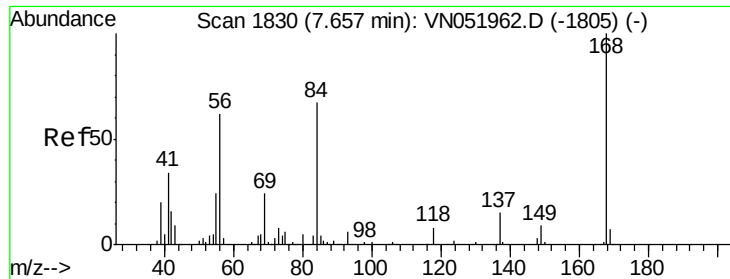
MMDadoda
10/24/2018 10:09:31 AM



#30
Chloroform
Concen: 142.326 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 83 Resp: 2848825
Ion Ratio Lower Upper
83 100
85 65.2 52.8 79.2





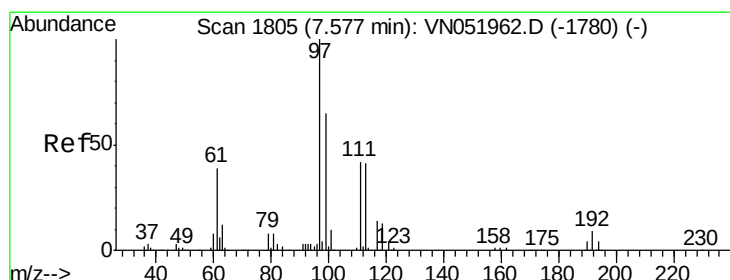
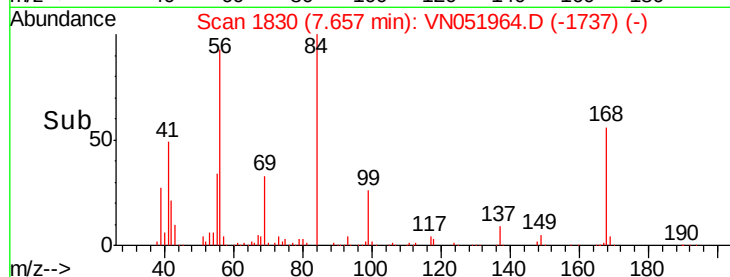
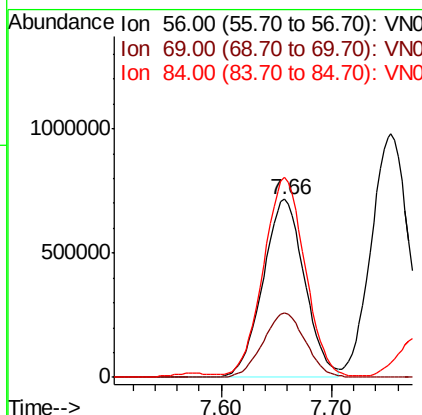
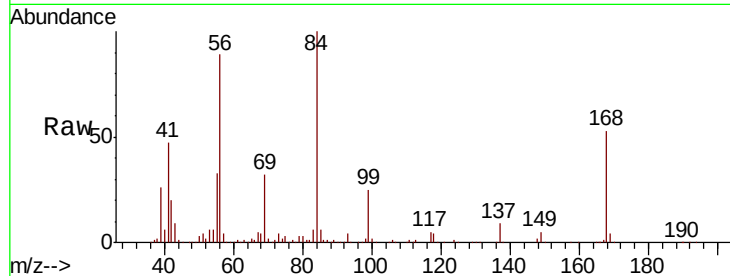
#31
Cyclohexane
Concen: 106.351 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1878000
Ion Ratio Lower Upper
56 100
69 35.8 31.2 46.8
84 109.8 86.3 129.5

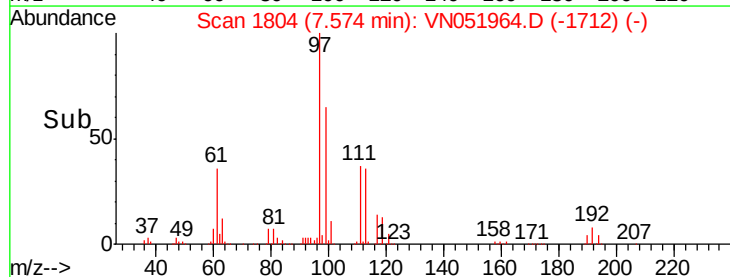
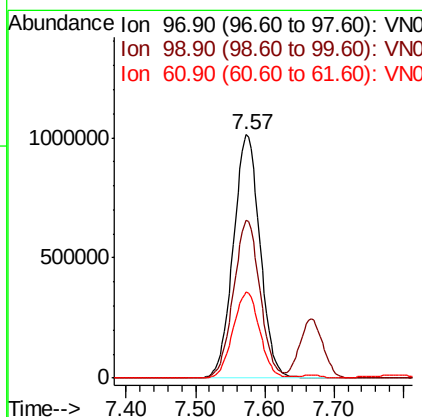
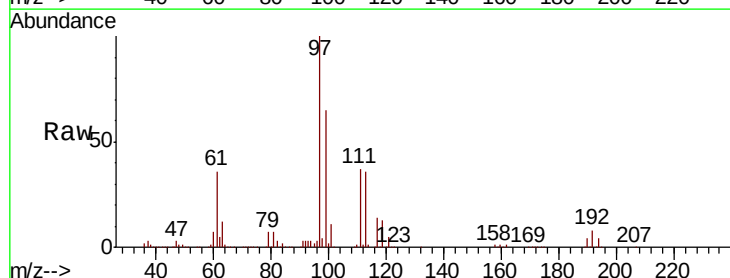
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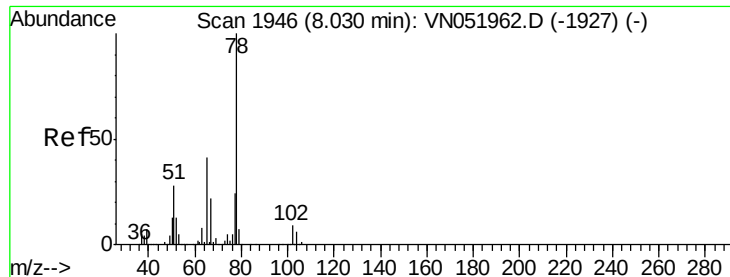
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 148.567 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 97 Resp: 2719283
Ion Ratio Lower Upper
97 100
99 64.5 51.5 77.3
61 35.5 30.1 45.1





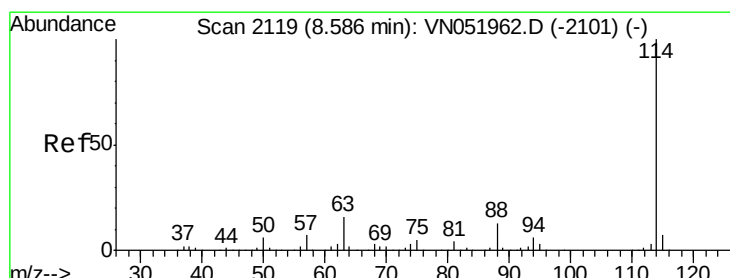
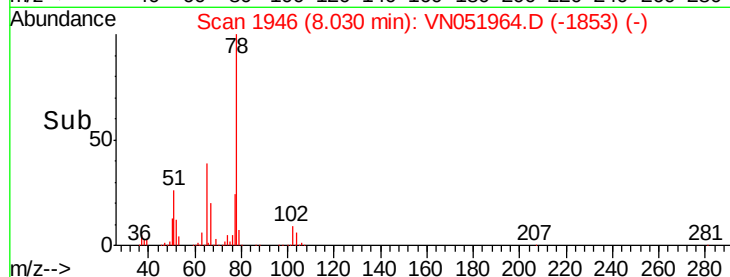
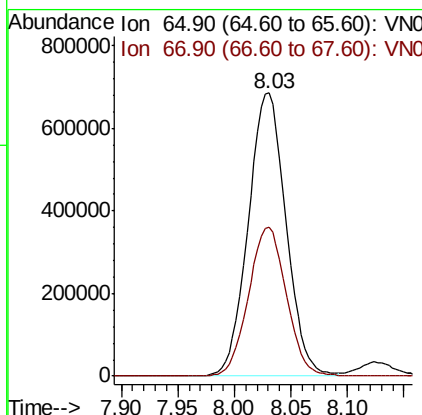
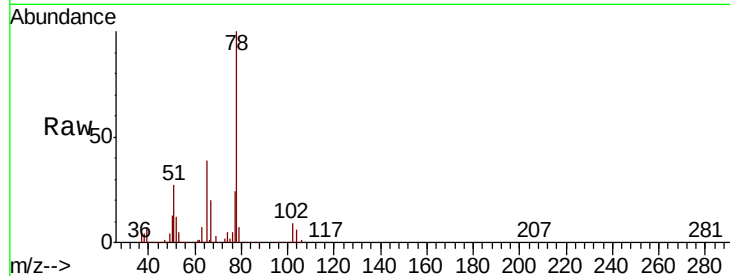
#33
 1,2-Dichloroethane-d4
 Concen: 148.567 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1593509
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8

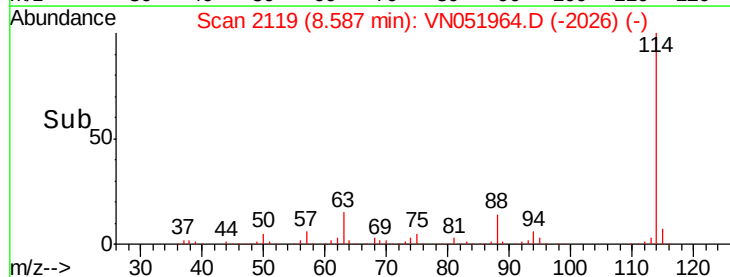
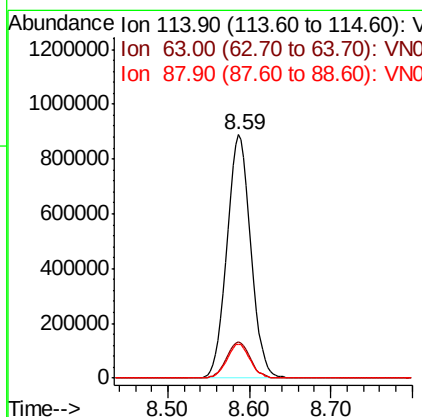
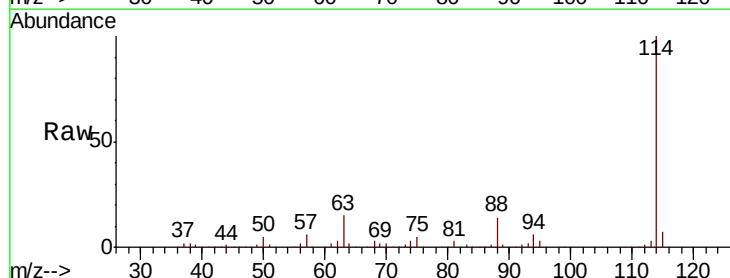
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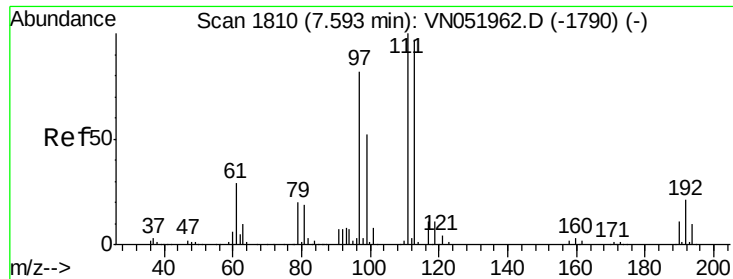
MMDadoda
 10/24/2018 10:09:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion: 114 Resp: 1830336
 Ion Ratio Lower Upper
 114 100
 63 14.7 0.0 31.2
 88 14.1 0.0 27.0





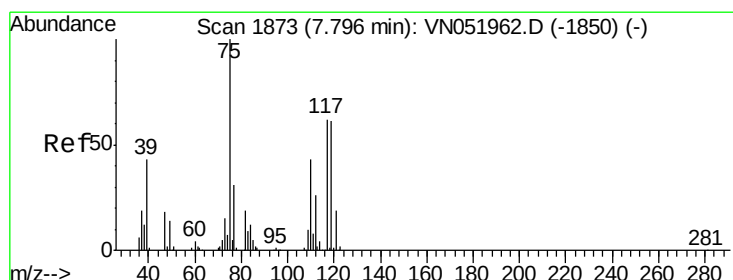
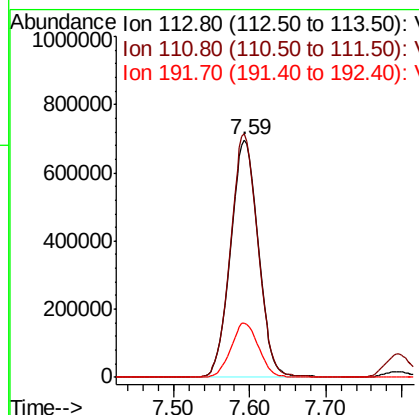
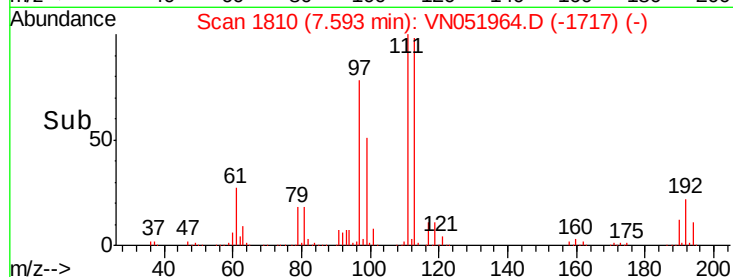
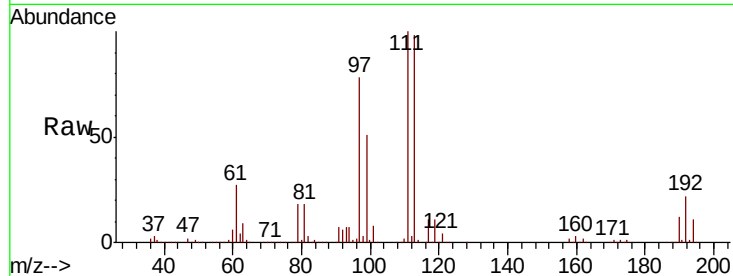
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.7	121.1
192	22.9	17.2	25.8

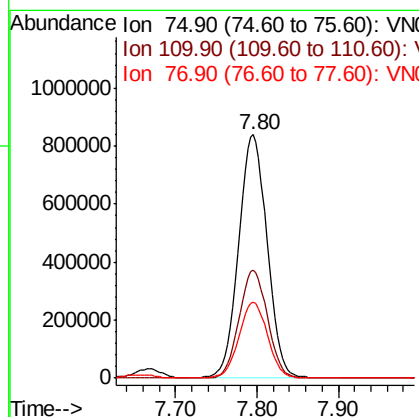
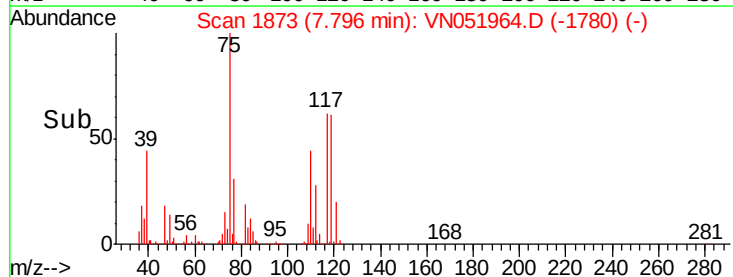
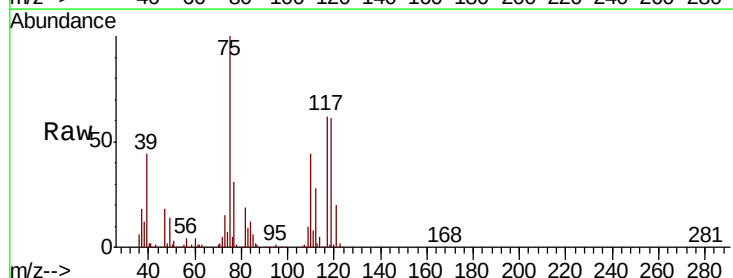
Manual Integrations
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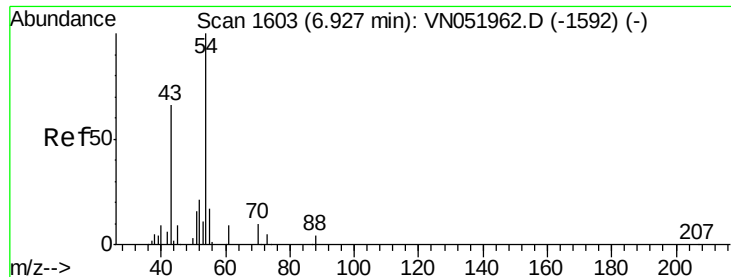
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 144.366 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	44.2	20.9	62.8
77	31.5	24.9	37.3





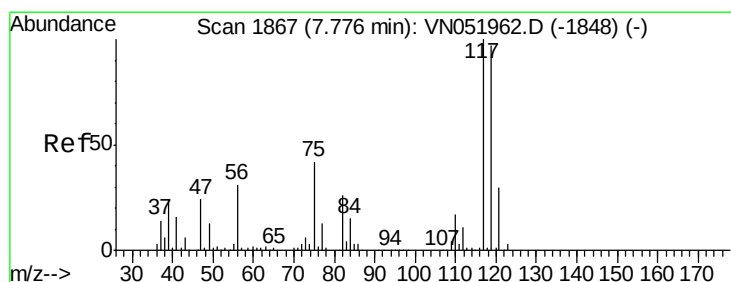
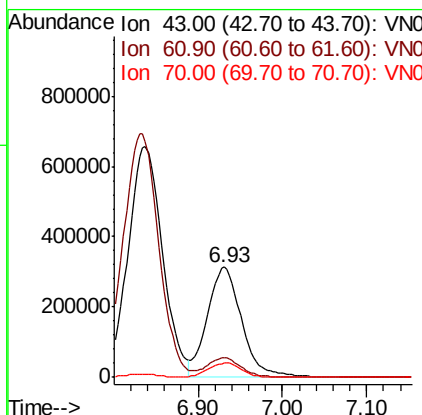
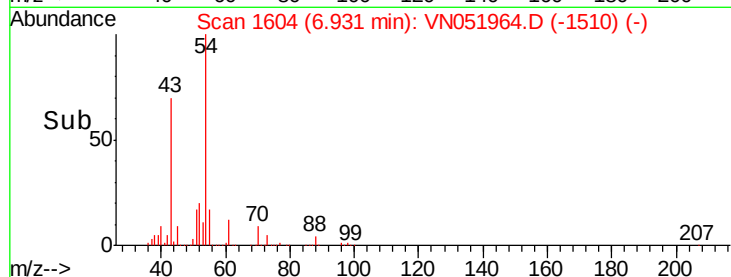
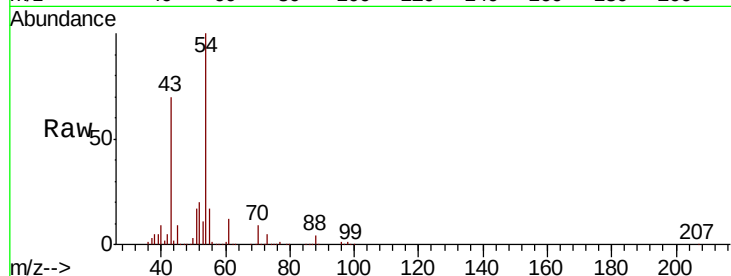
#37
Ethyl Acetate
Concen: 143.038 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	13.5	20.3
70	13.0	9.8	14.6

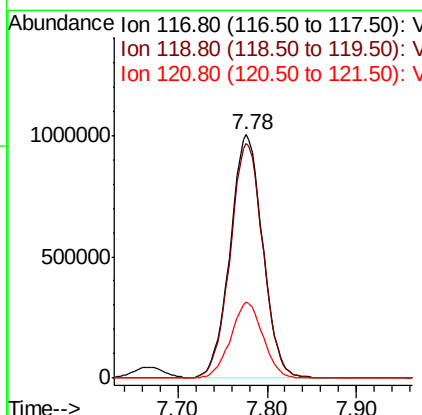
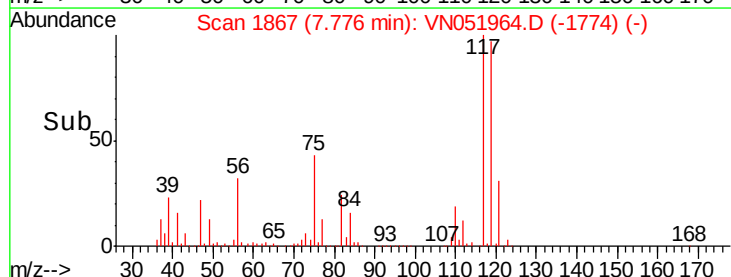
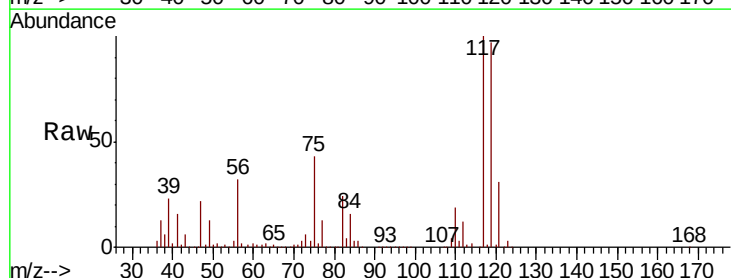
Manual Integrations
APPROVED

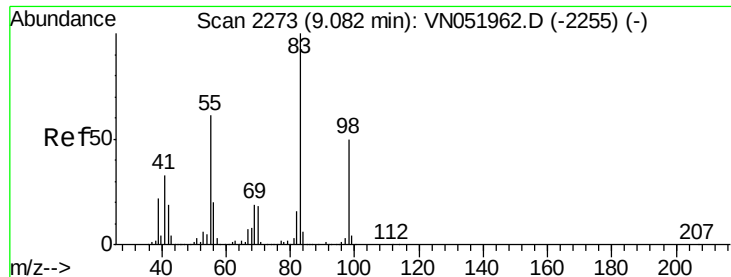
MMDadoda
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#38
Carbon Tetrachloride
Concen: 157.088 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
121	31.3	24.2	36.4





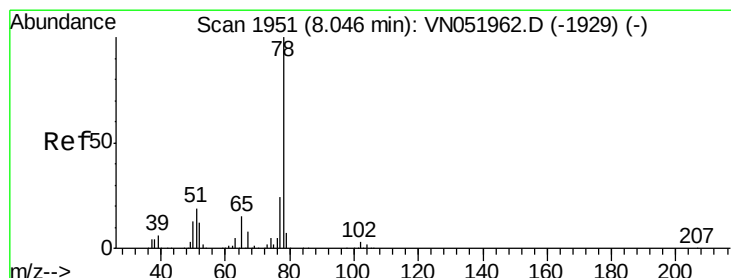
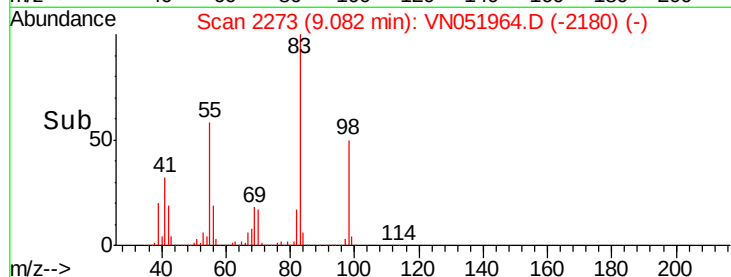
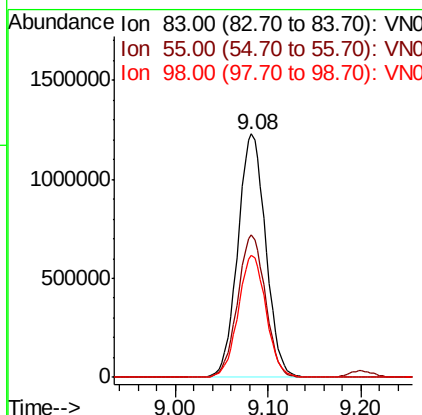
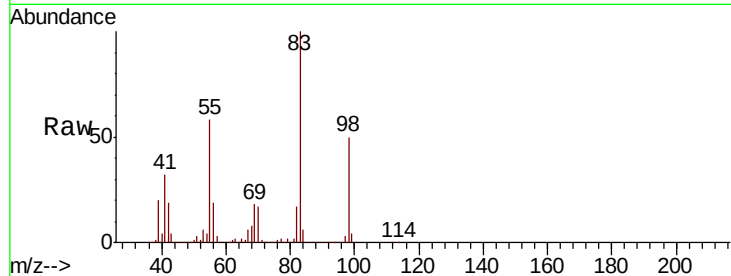
#39
Methylvlcyclohexane
Concen: 149.328 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2560769
Ion Ratio Lower Upper
83 100
55 58.4 48.9 73.3
98 50.3 40.2 60.2

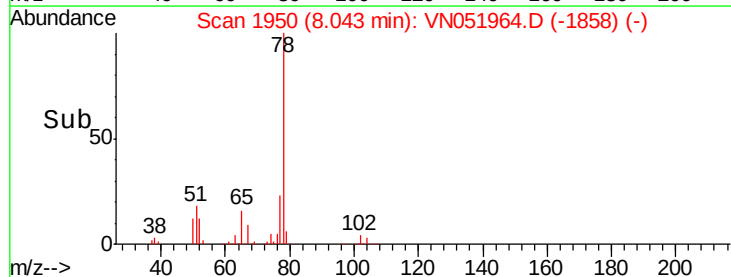
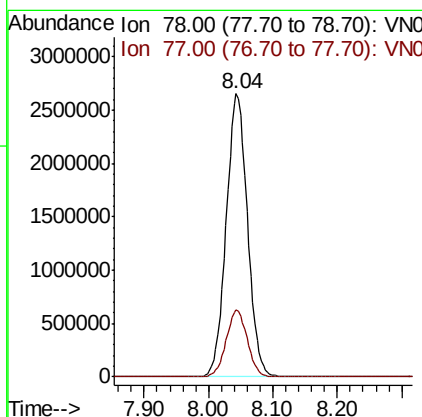
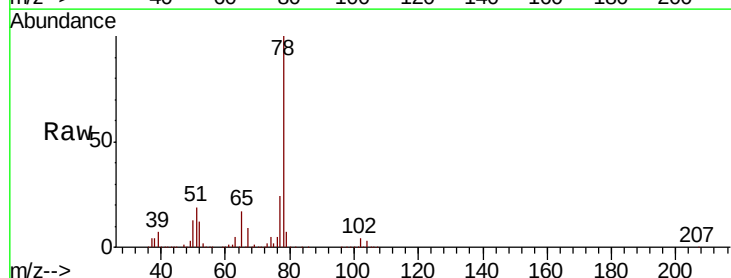
Manual Integrations
APPROVED

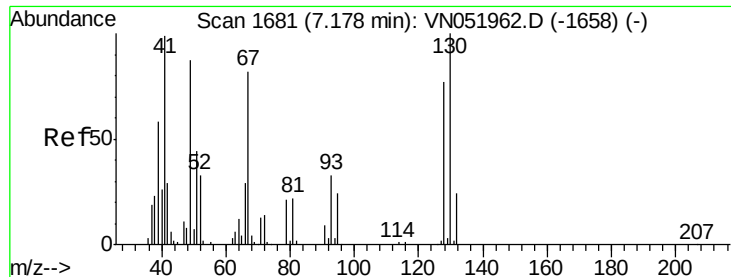
MMDadoda
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#40
Benzene
Concen: 145.907 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 78 Resp: 6082459
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0





#41

Methacrylonitrile

Concen: 133.726 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 421907
Ion Ratio Lower Upper

41 100

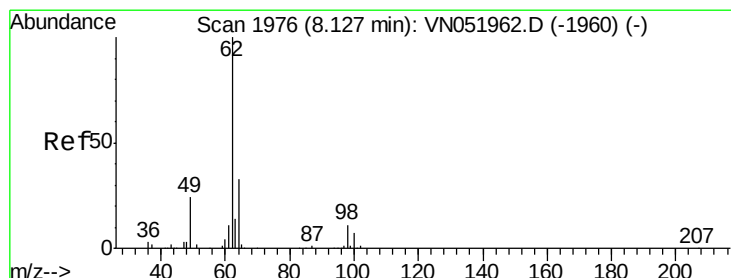
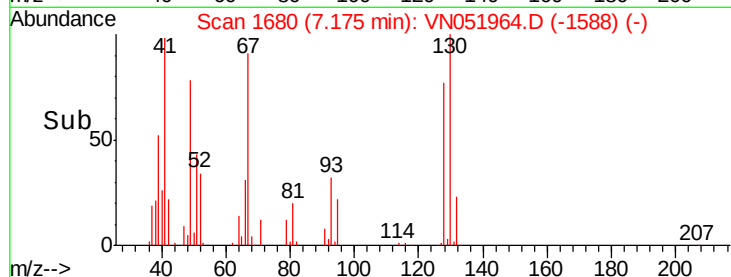
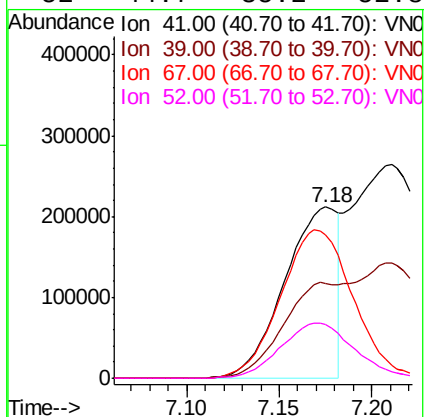
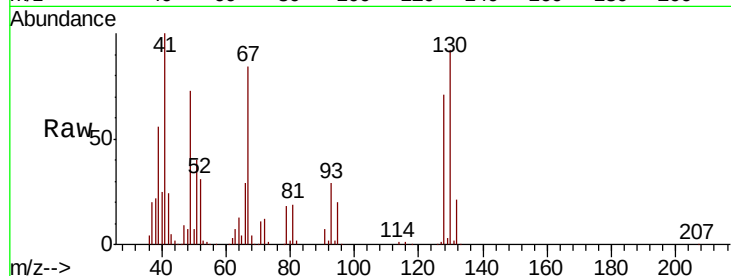
39 51.5 53.1 79.7#

67 119.6 93.8 140.6

52 44.7 35.2 52.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 138.497 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

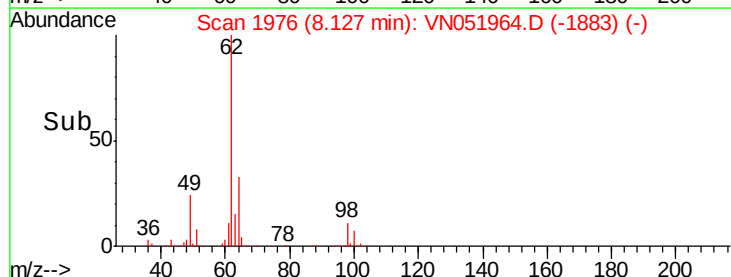
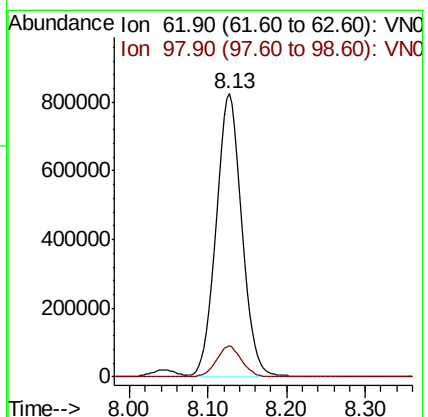
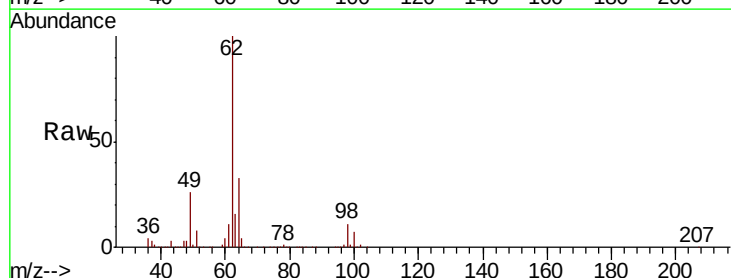
Lab File: VN051964.D

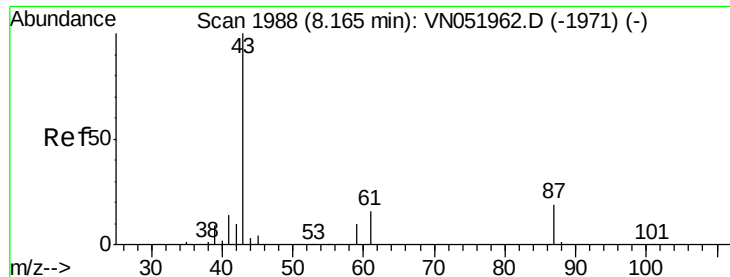
Acq: 23 Oct 2018 14:54

Tgt Ion: 62 Resp: 1851174
Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 144.128 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1694721

Ion Ratio Lower Upper

43 100

61 23.3 17.2 25.8

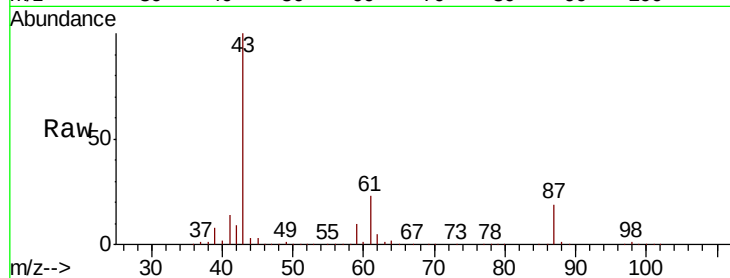
87 19.0 15.2 22.8

Manual Integrations

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MMDadoda

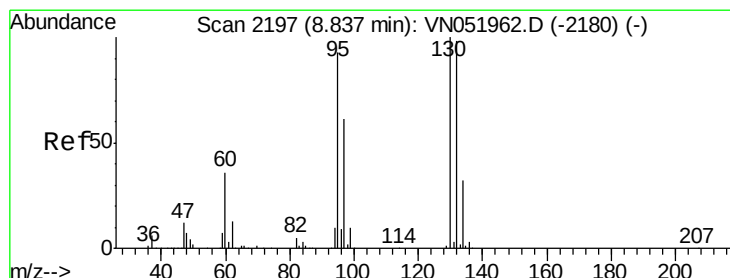
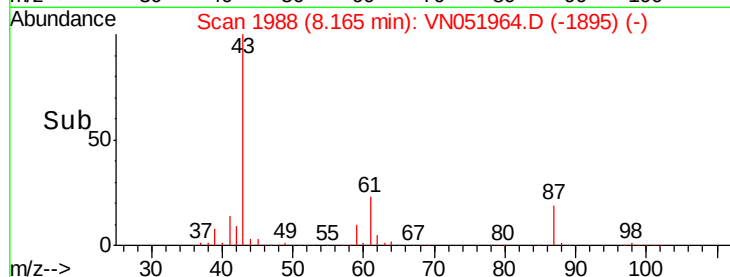
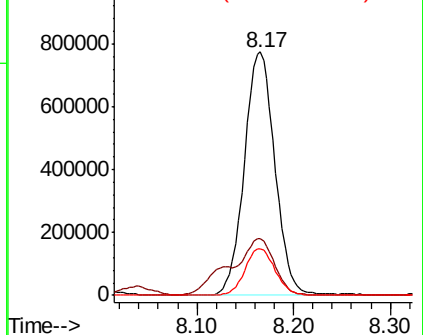
10/24/2018 10:09:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 151.536 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051964.D

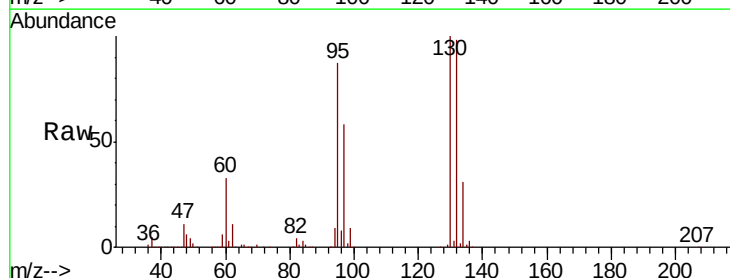
Acq: 23 Oct 2018 14:54

Tgt Ion:130 Resp: 2027659

Ion Ratio Lower Upper

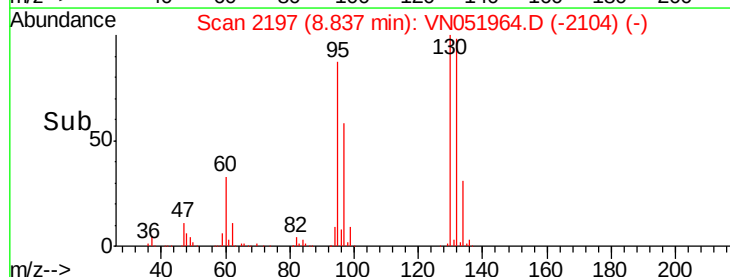
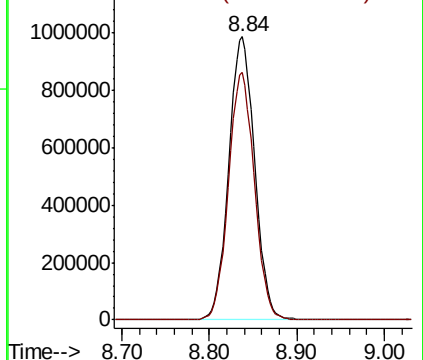
130 100

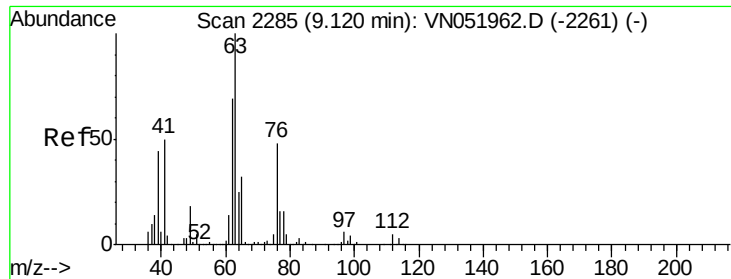
95 87.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)





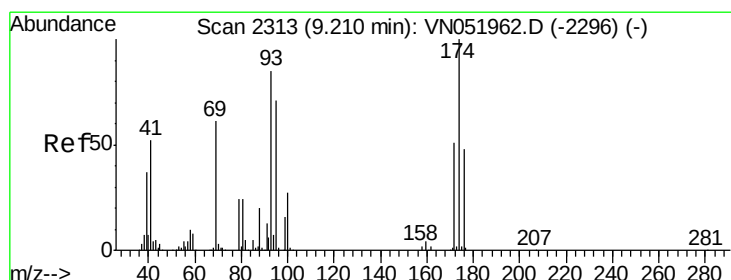
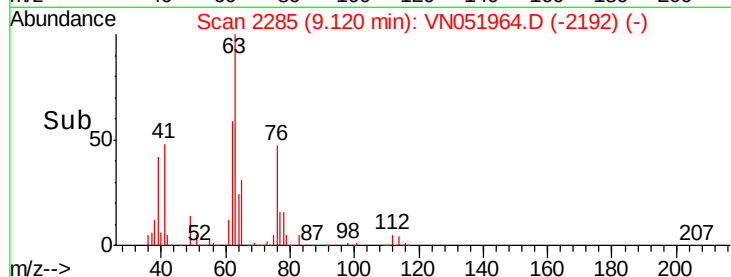
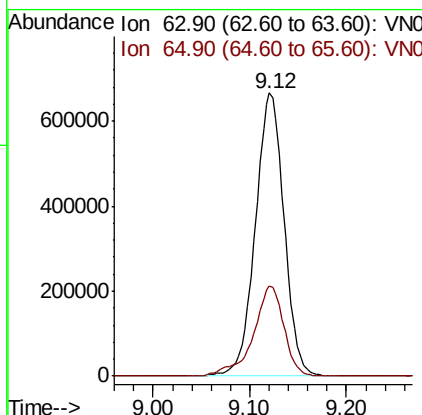
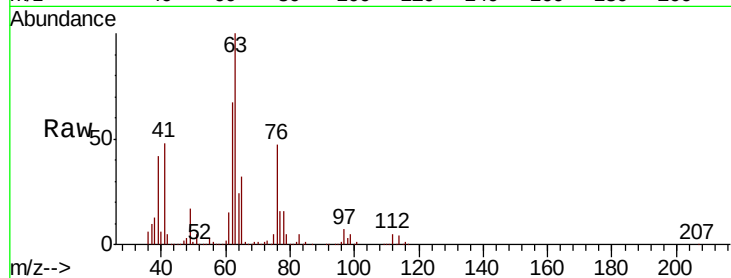
#45
 1,2-Dichloropropane
 Concen: 145.486 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1371969
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.8 38.6

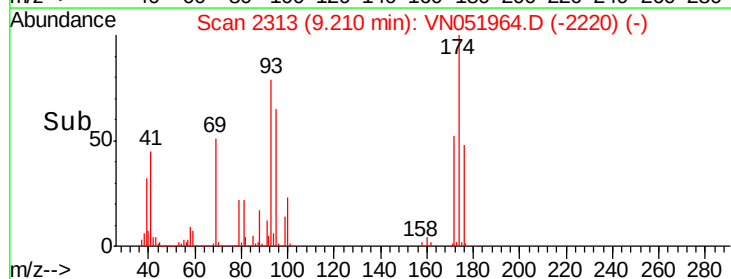
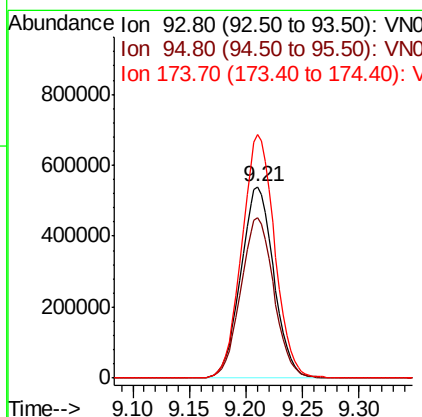
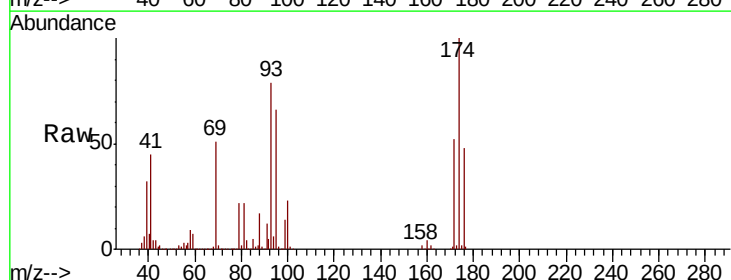
Manual Integrations
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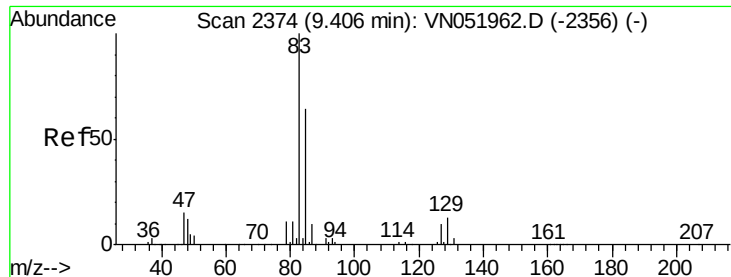
MMDadoda
 10/24/2018 10:09:31 AM



#46
 Dibromomethane
 Concen: 143.957 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion: 93 Resp: 1094333
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.7 100.1
 174 127.2 93.8 140.6





#47

Bromodichloromethane

Concen: 153.677 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2206295

Ion Ratio Lower Upper

83 100

85 65.6 51.0 76.4

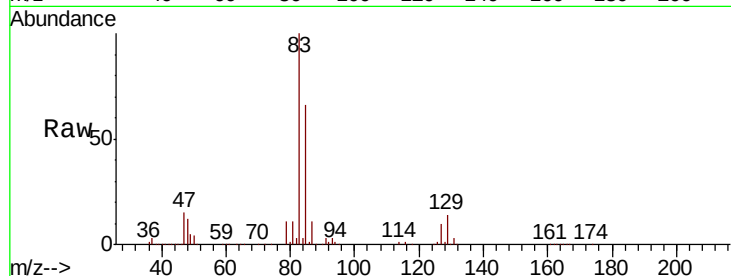
127 10.5 7.8 11.8

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MMDadoda

10/24/2018 10:09:31 AM

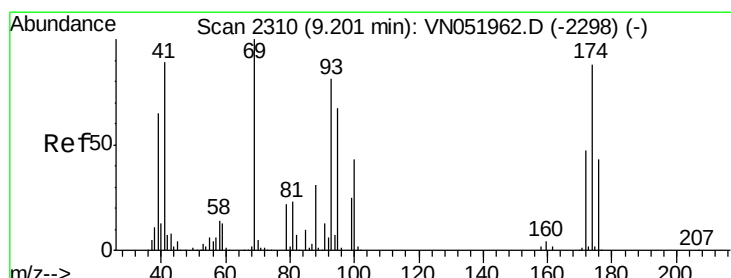
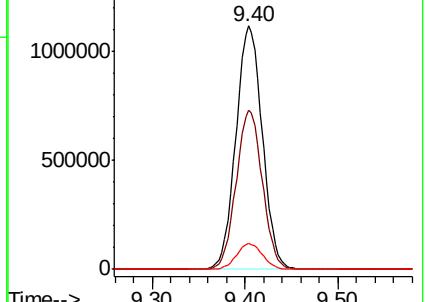
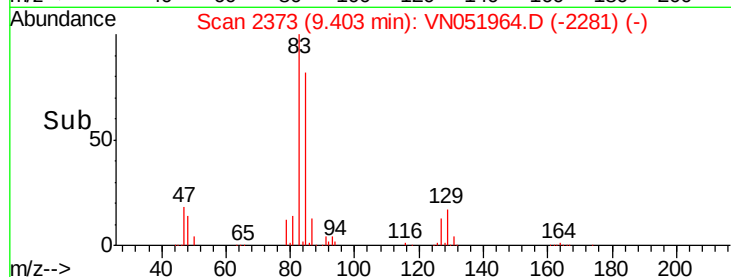


Abundance Ion 82.90 (82.60 to 83.60): VN051964.D (-2281) (-)

Ion 84.90 (84.60 to 85.60): VN051964.D (-2281) (-)

Ion 126.80 (126.50 to 127.50): VN051964.D (-2281) (-)

Time-->



#48

Methyl methacrylate

Concen: 142.050 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

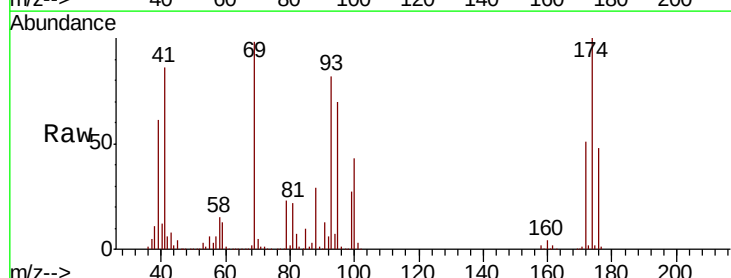
Tgt Ion: 41 Resp: 807326

Ion Ratio Lower Upper

41 100

69 116.5 92.2 138.4

39 73.8 60.2 90.4

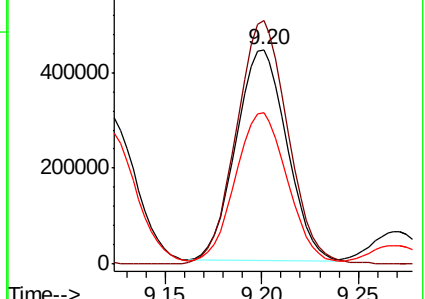
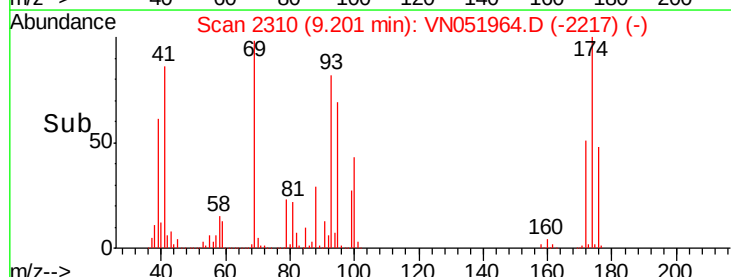


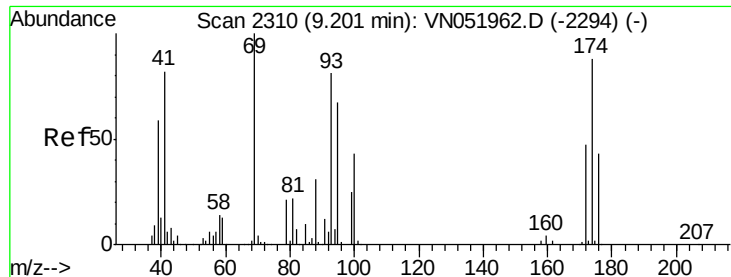
Abundance Ion 41.00 (40.70 to 41.70): VN051964.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051964.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051964.D (-2217) (-)

Time-->





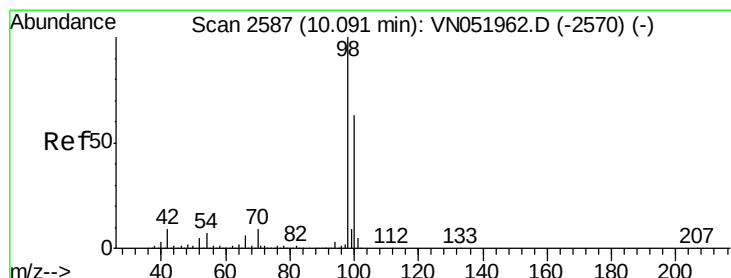
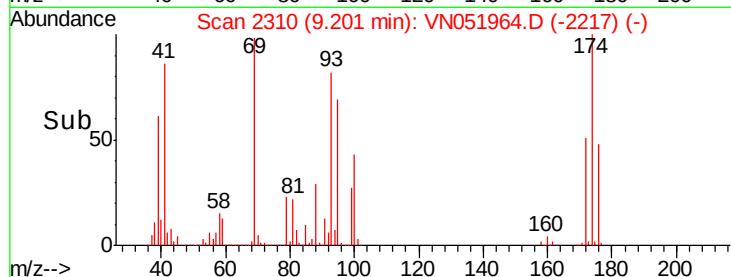
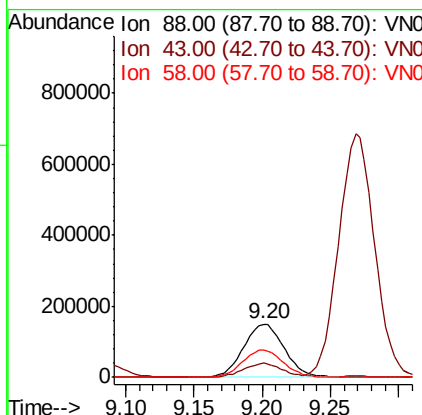
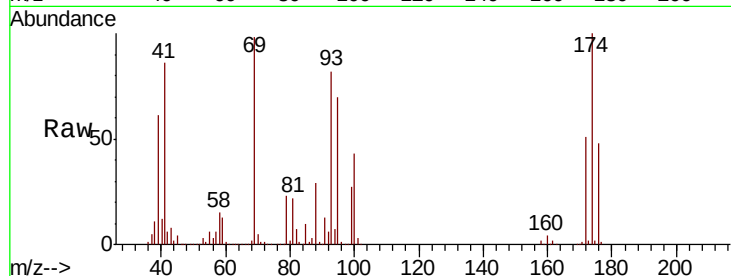
#49
1,4-Dioxane
Concen: 2970.115 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	18.8	28.2
58	52.1	39.8	59.6

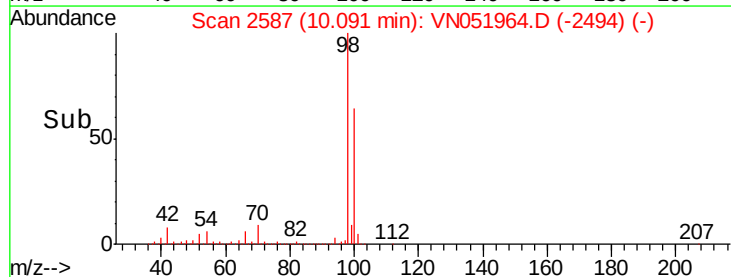
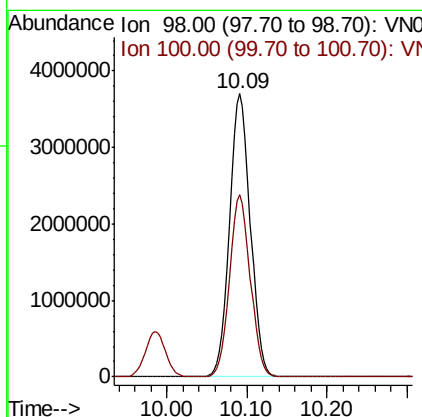
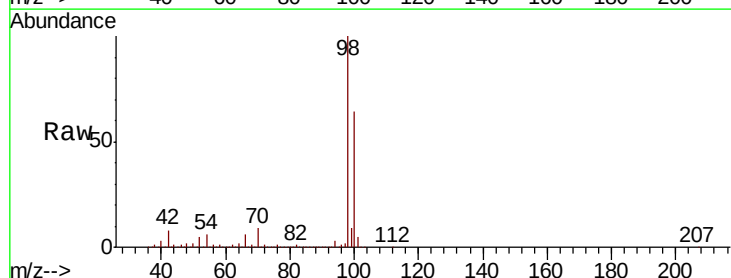
Manual Integrations
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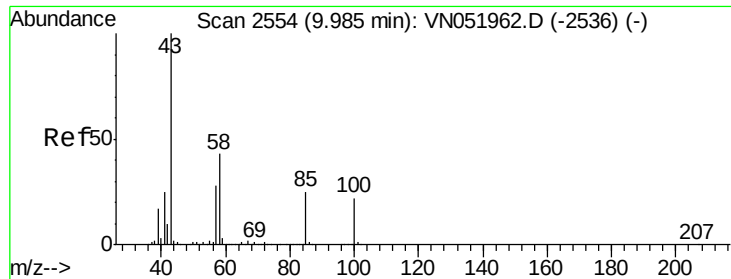
MMDadoda
10/24/2018 10:09:31 AM



#50
Toluene-d8
Concen: 2970.115 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 700.195 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4528766

Ion Ratio Lower Upper

43 100

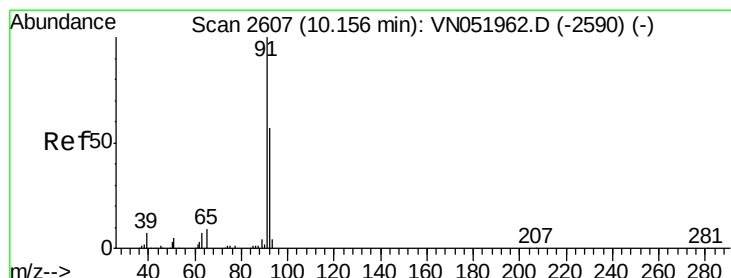
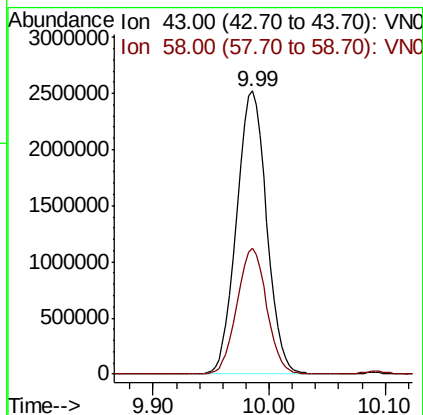
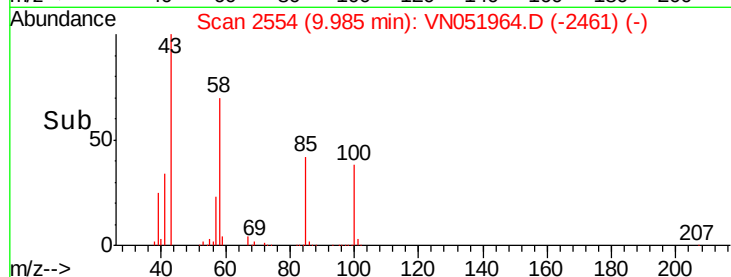
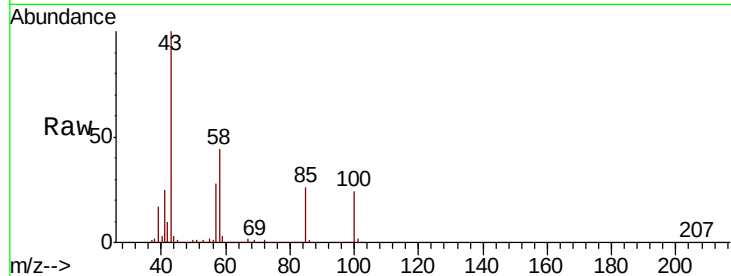
58 44.0 34.8 52.2

Manual Integrations

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#52

Toluene

Concen: 153.359 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051964.D

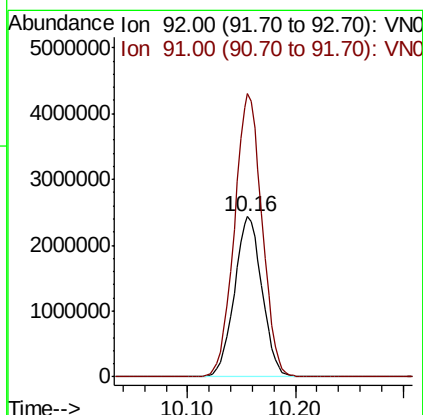
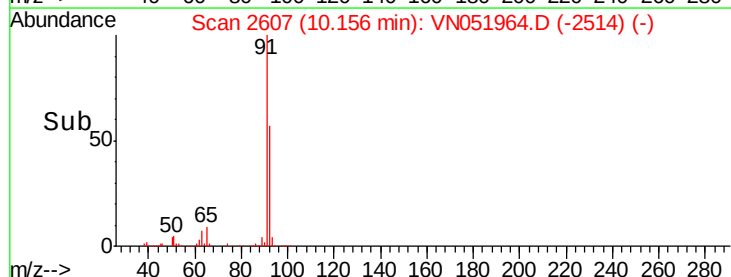
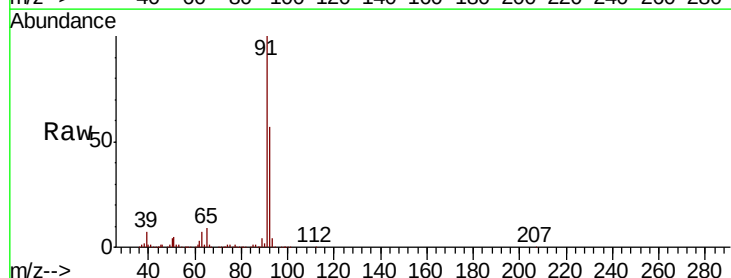
Acq: 23 Oct 2018 14:54

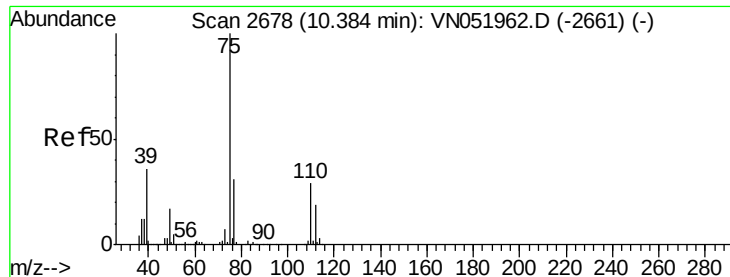
Tgt Ion: 92 Resp: 4335255

Ion Ratio Lower Upper

92 100

91 177.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 168.381 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 2214869

Ion Ratio Lower Upper

75 100

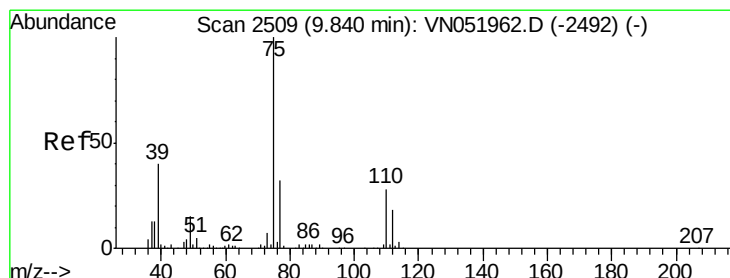
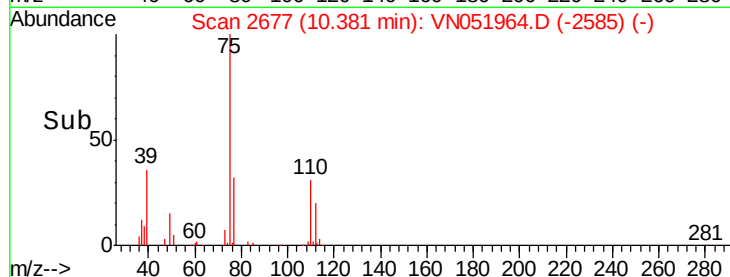
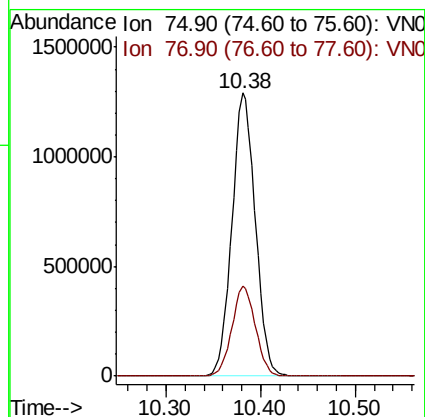
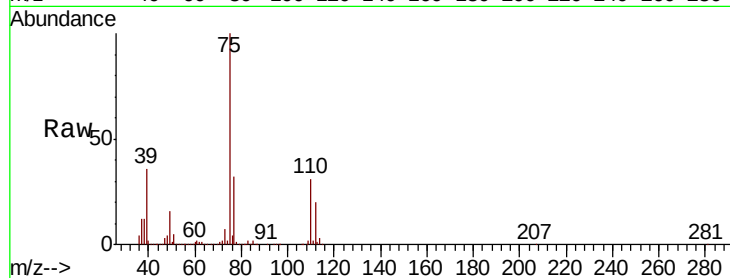
77 31.6 25.0 37.4

Manual Integrations

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MMDadoda

10/24/2018 10:09:31 AM



#54

cis-1,3-Dichloropropene

Concen: 162.674 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

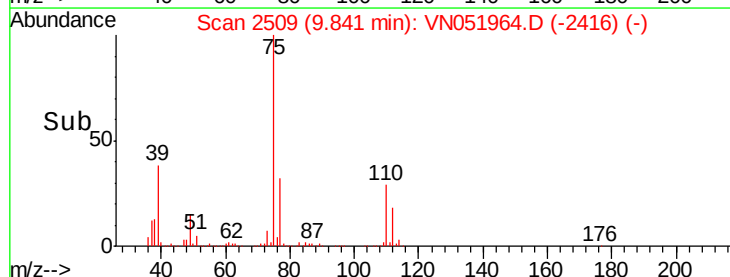
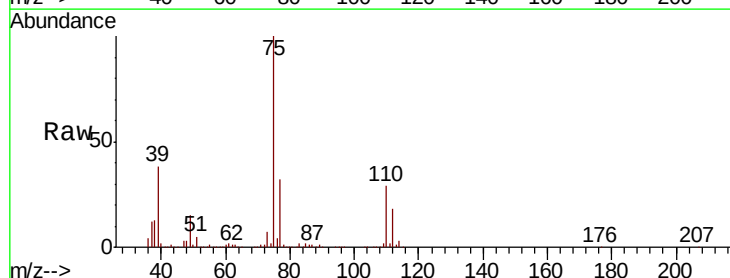
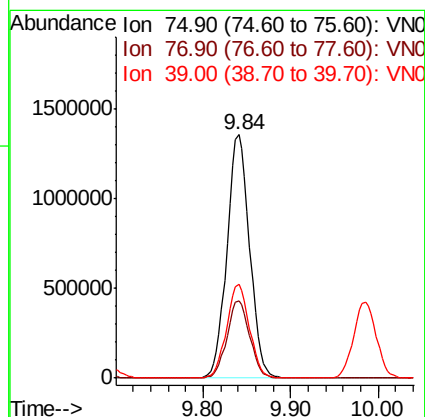
Tgt Ion: 75 Resp: 2441053

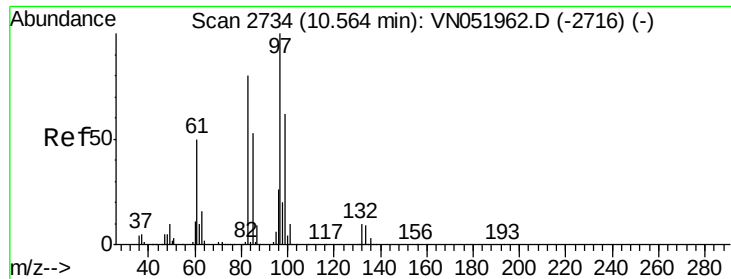
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 38.4 32.0 48.0





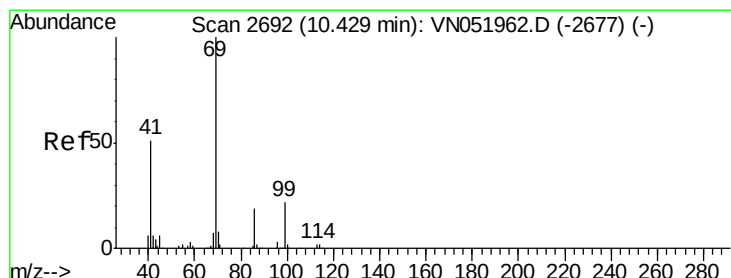
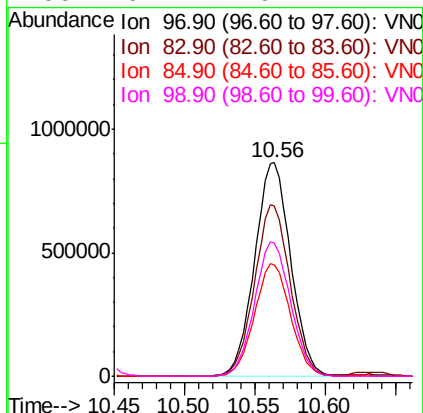
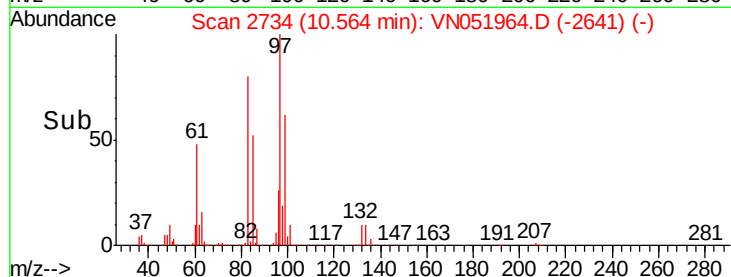
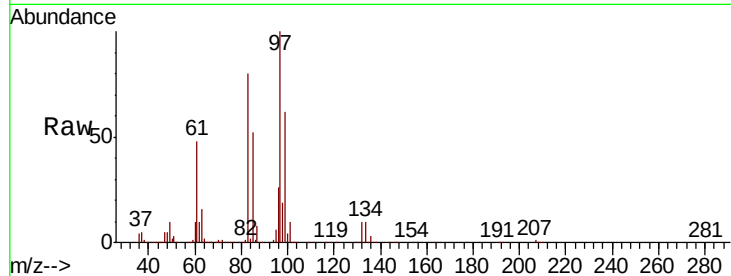
#55
 1,1,2-Trichloroethane
 Concen: 147.860 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	1544343
Ion	Ratio	Lower	Upper
97	100		
83	79.8	64.0	96.0
85	52.3	42.4	63.6
99	62.4	49.4	74.2

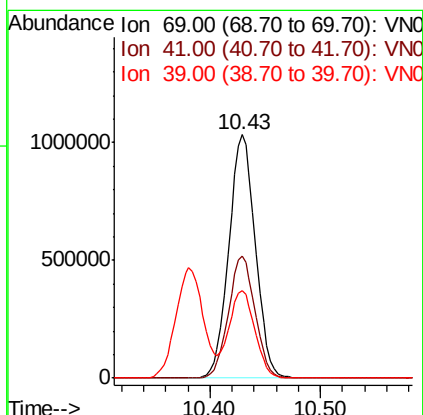
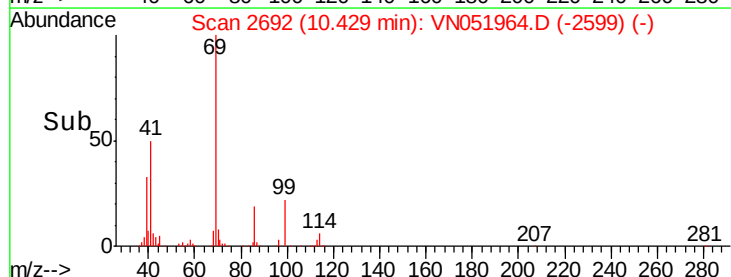
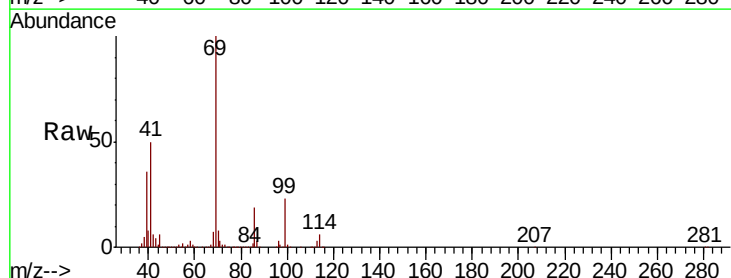
Manual Integrations
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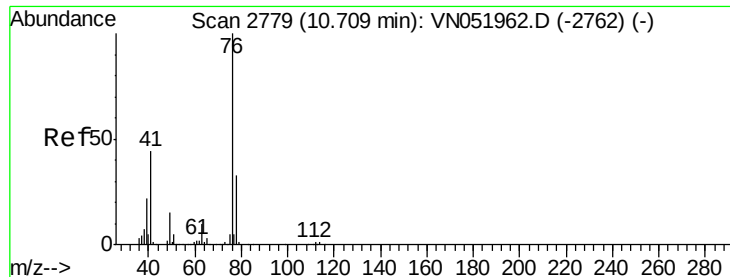
MMDadoda
 10/24/2018 10:09:31 AM



#56
 Ethyl methacrylate
 Concen: 153.469 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion:	69	Resp:	1723049
Ion	Ratio	Lower	Upper
69	100		
41	49.9	40.7	61.1
39	35.4	29.3	43.9





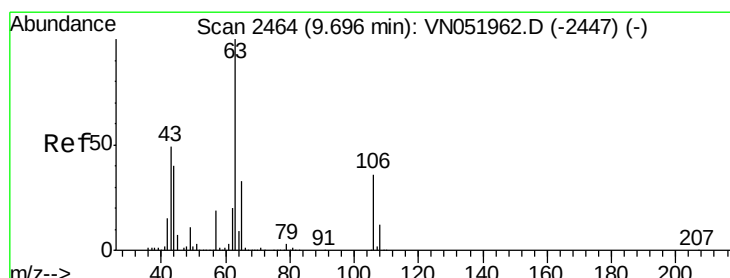
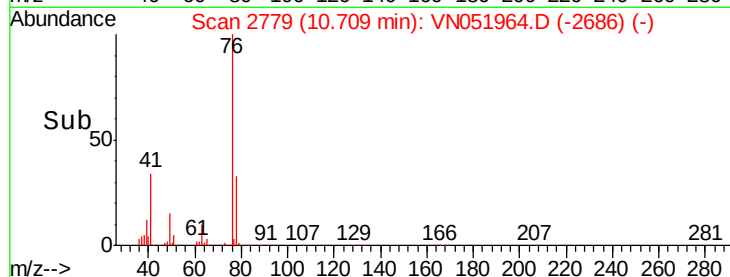
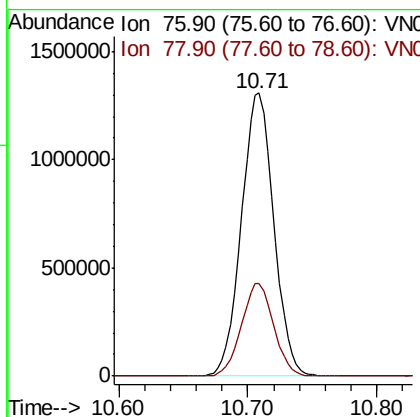
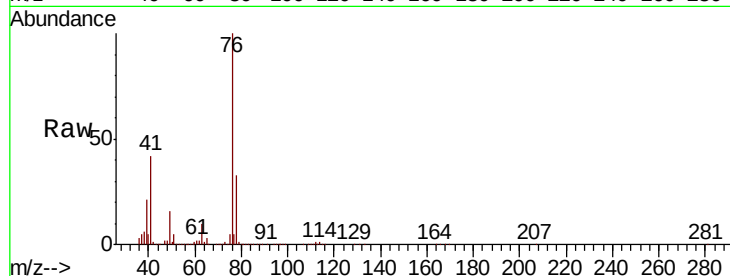
#57
 1,3-Dichloropropane
 Concen: 143.966 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 2282767
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.4 39.6

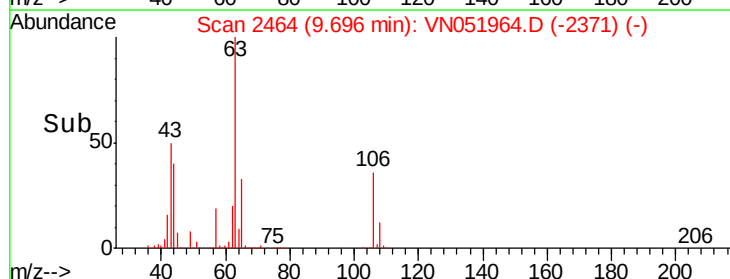
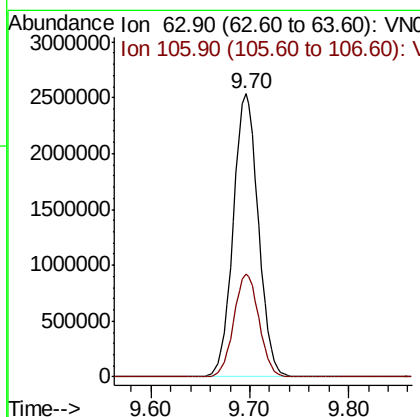
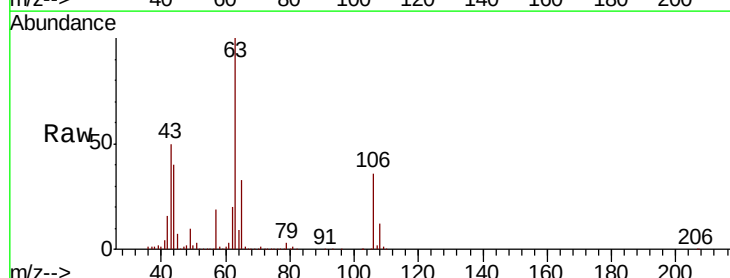
Manual Integrations
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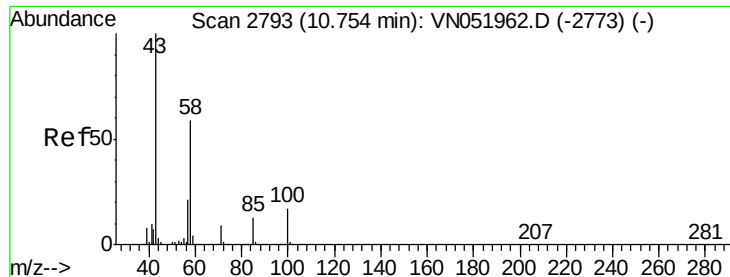
MMDadoda
 10/24/2018 10:09:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 763.126 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion: 63 Resp: 4483040
 Ion Ratio Lower Upper
 63 100
 106 36.5 28.3 42.5





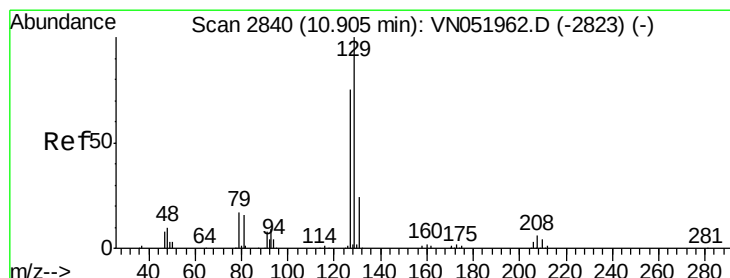
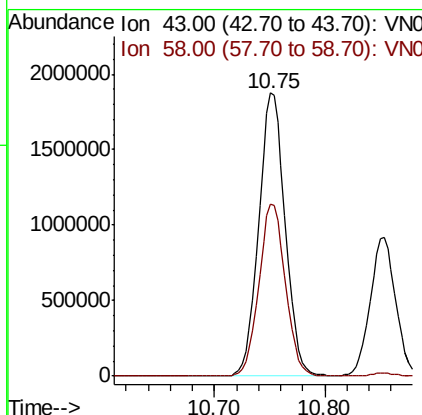
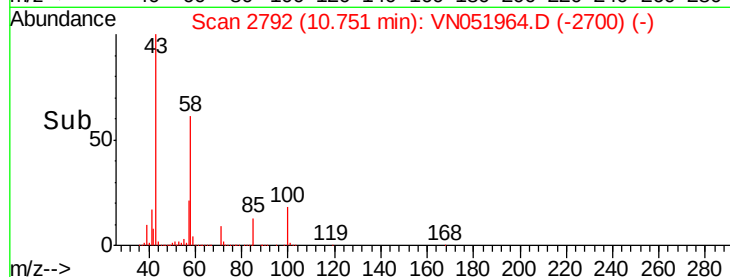
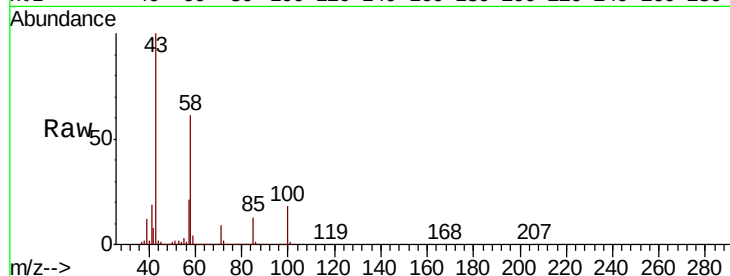
#59
2-Hexanone
Concen: 714.250 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3103932
Ion Ratio Lower Upper
43 100
58 61.1 29.9 89.8

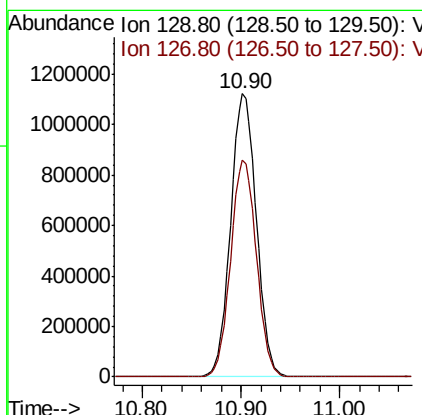
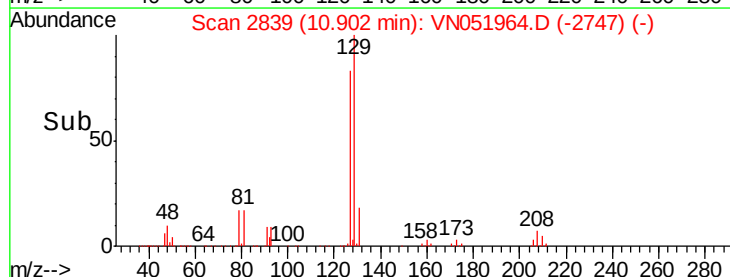
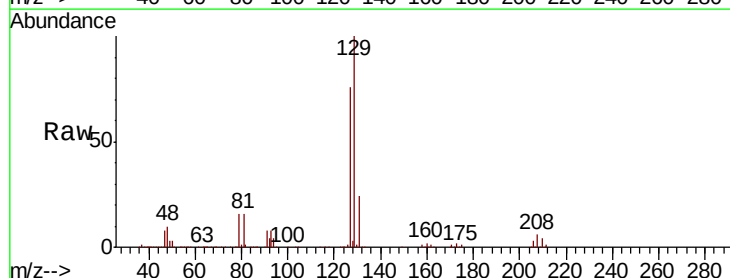
Manual Integrations
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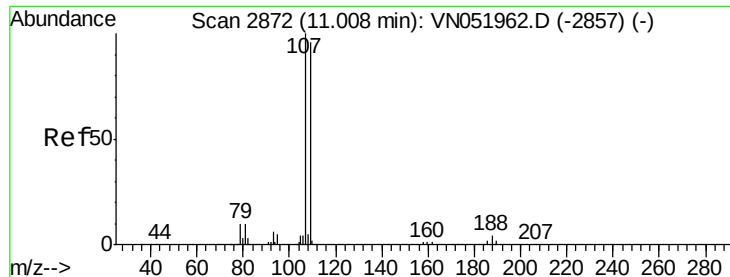
MMDadoda
10/24/2018 10:09:31 AM



#60
Dibromochloromethane
Concen: 174.269 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 129 Resp: 2039787
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.0





#61

1,2-Dibromoethane

Concen: 154.328 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1699567

Ion Ratio Lower Upper

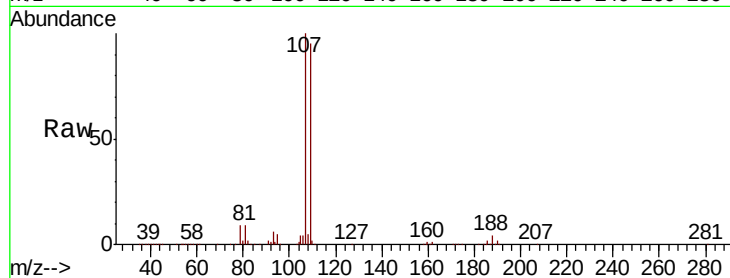
107 100

109 94.9 75.9 113.9

Manual Integrations
APPROVED

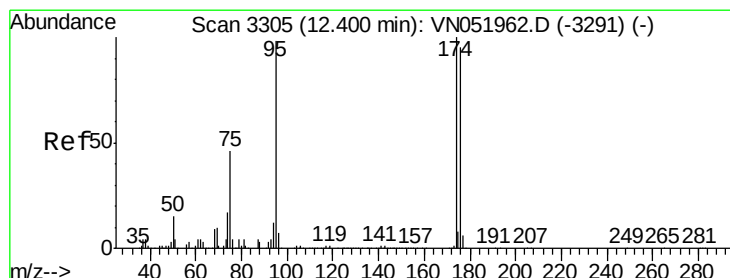
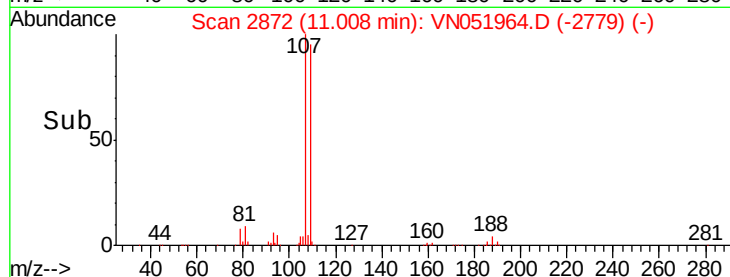
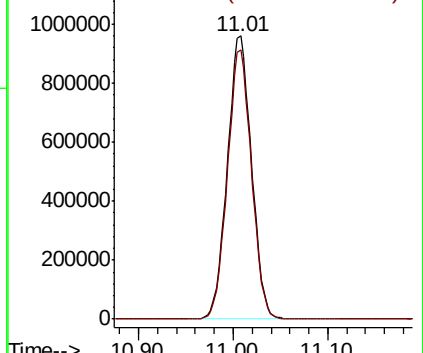
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 154.328 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

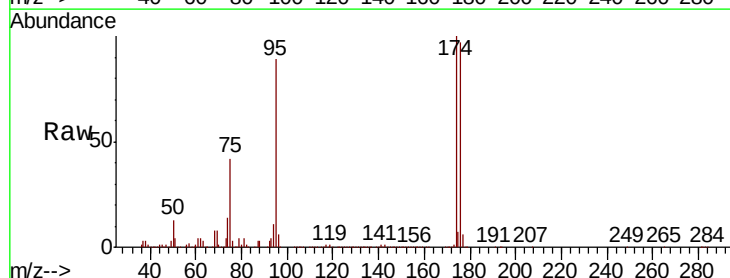
Tgt Ion: 95 Resp: 2298115

Ion Ratio Lower Upper

95 100

174 112.1 0.0 206.0

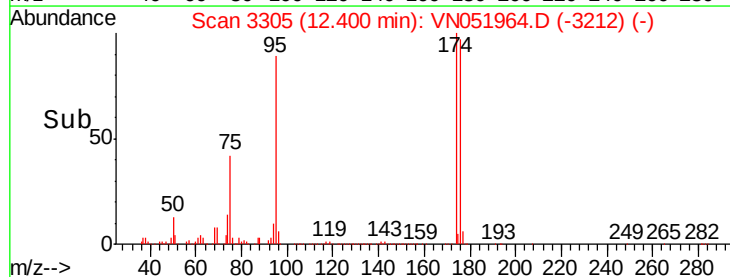
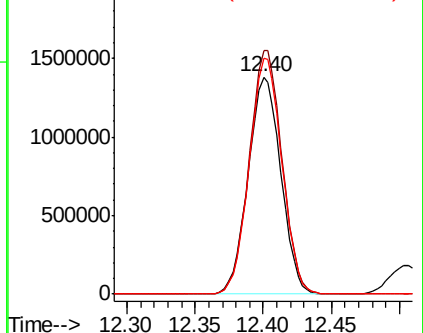
176 108.6 0.0 198.0

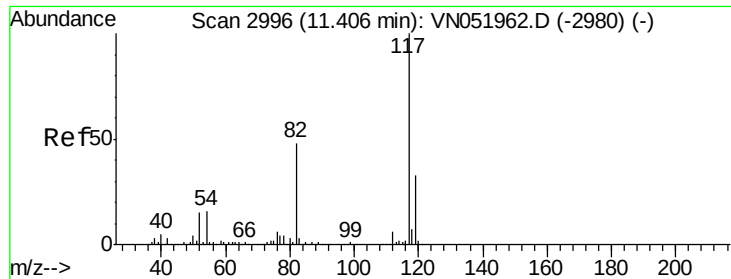


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





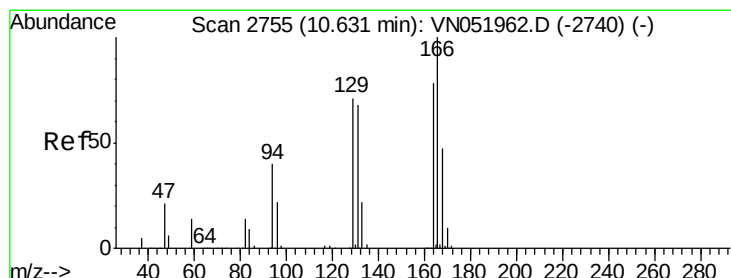
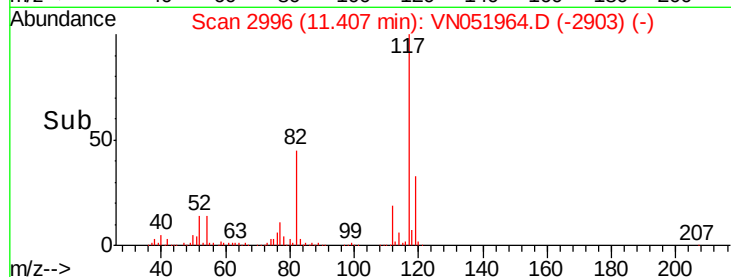
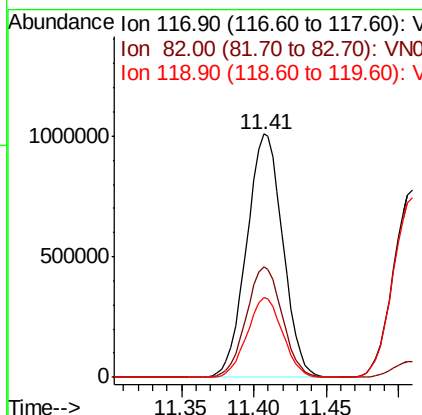
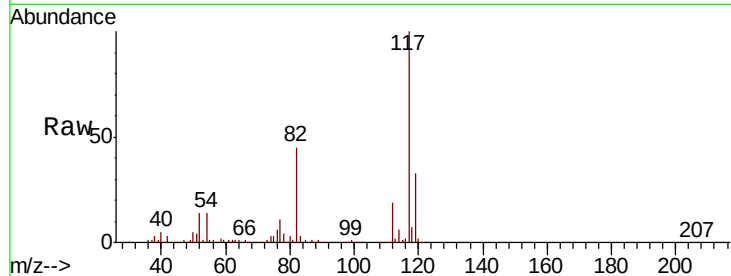
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1752496
Ion Ratio Lower Upper
117 100
82 45.3 38.1 57.1
119 32.8 26.4 39.6

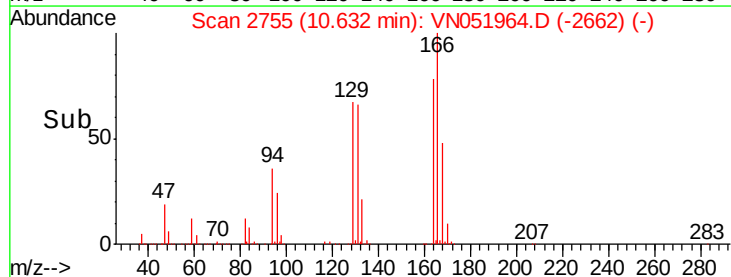
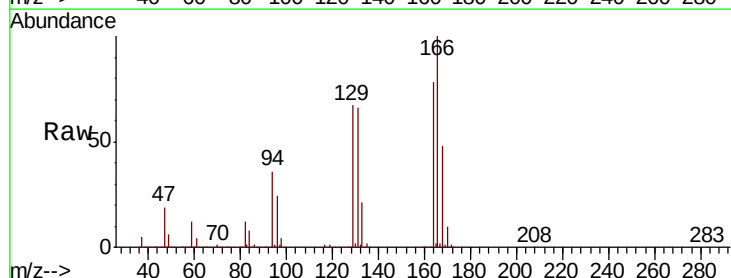
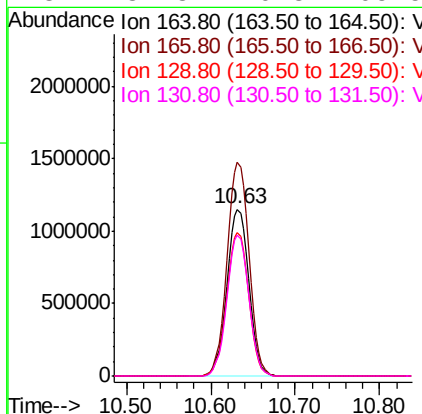
Manual Integrations
APPROVED

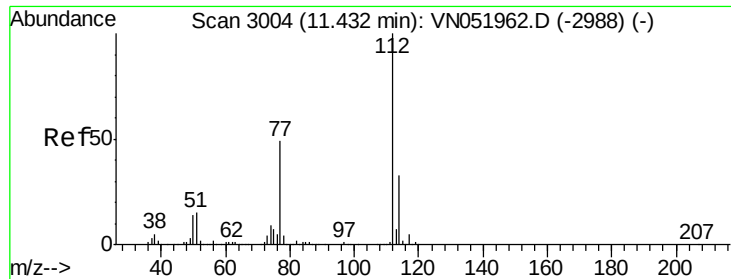
MMDadoda
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#64
Tetrachloroethene
Concen: 154.521 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion:164 Resp: 2078448
Ion Ratio Lower Upper
164 100
166 128.0 103.1 154.7
129 86.3 73.6 110.4
131 84.8 70.3 105.5





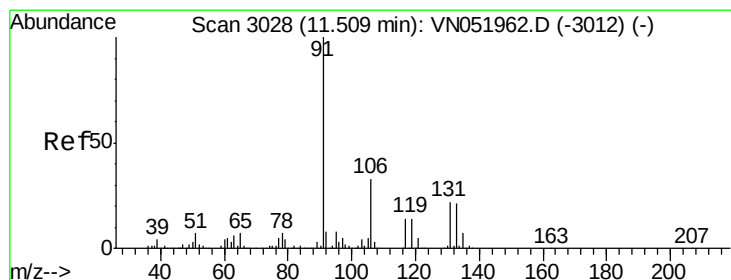
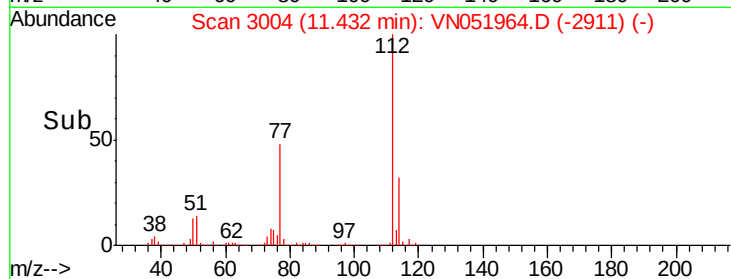
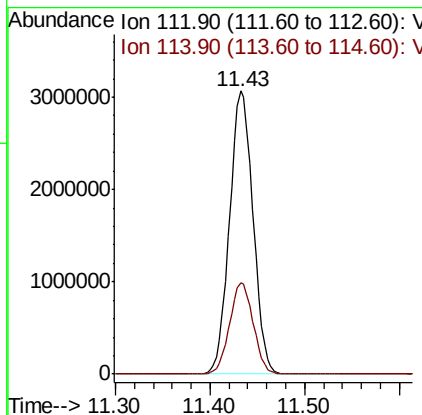
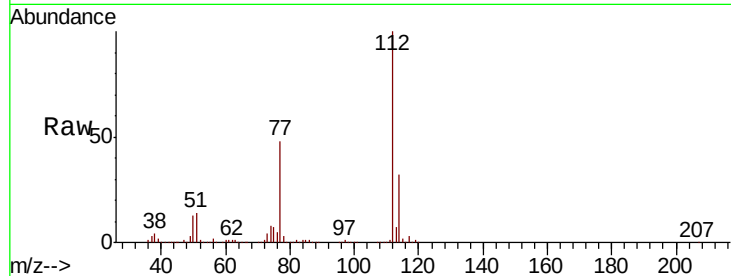
#65
Chlorobenzene
Concen: 149.266 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 5281564
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1

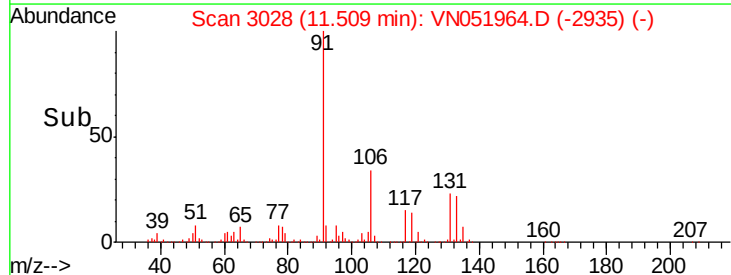
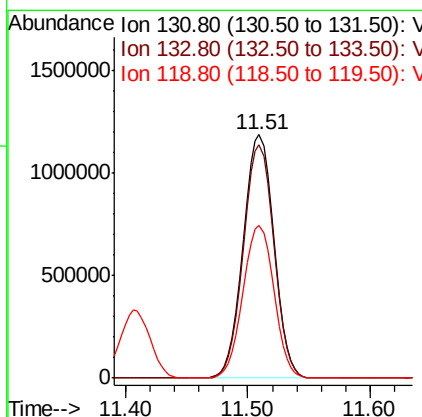
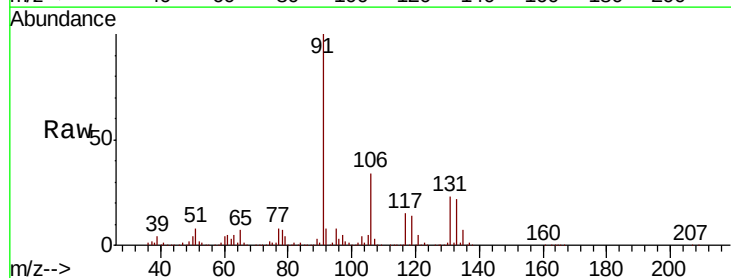
Manual Integrations
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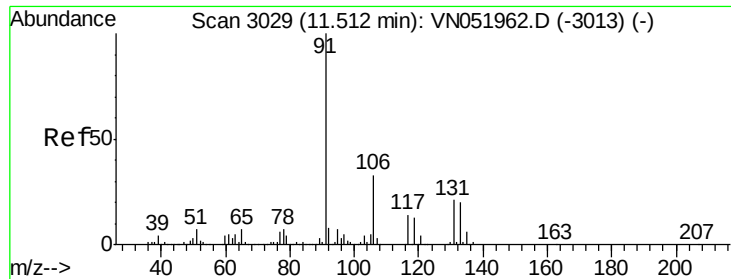
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 161.794 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion:131 Resp: 2057700
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 63.2 32.0 96.2





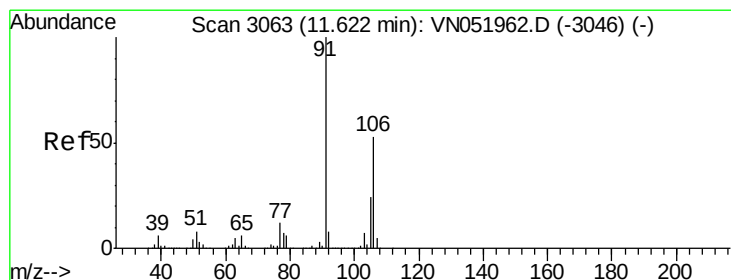
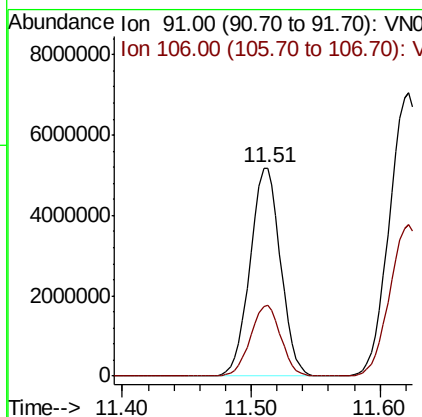
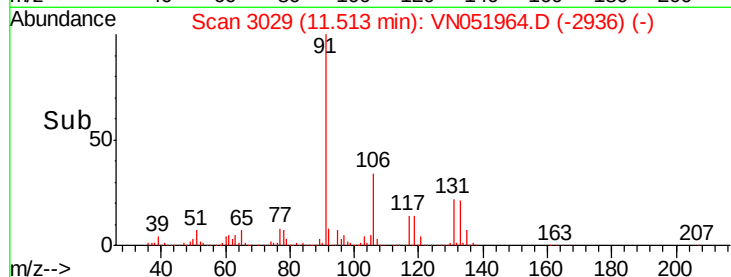
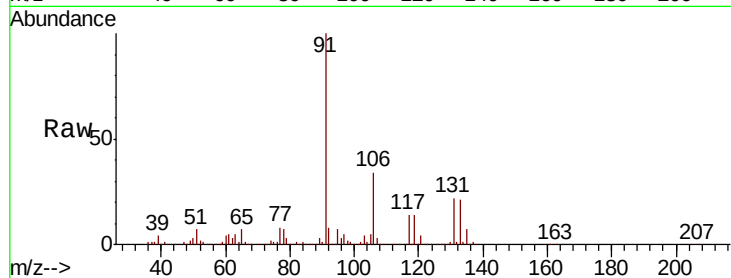
#67
Ethyl Benzene
Concen: 150.335 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 8550464
Ion Ratio Lower Upper
91 100
106 33.8 26.4 39.6

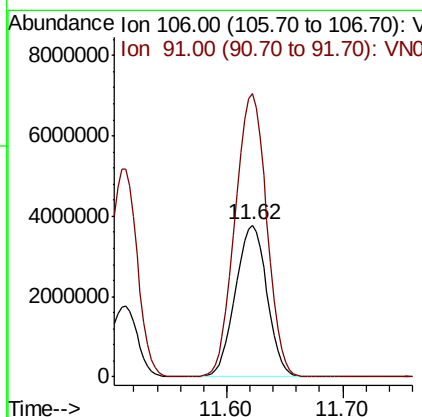
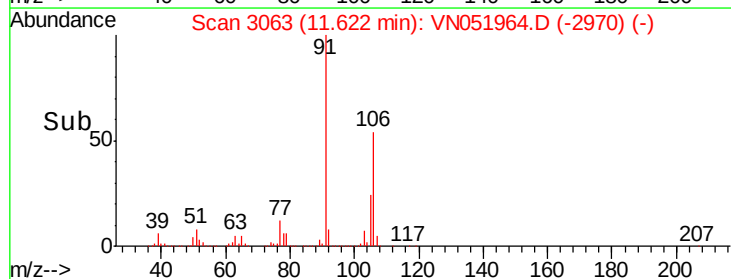
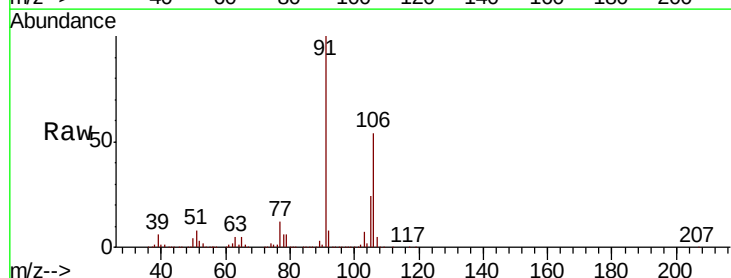
Manual Integrations
APPROVED

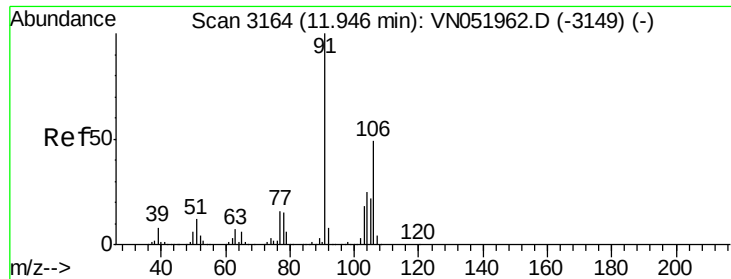
MMDadoda
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#68
m/p-Xylenes
Concen: 312.987 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 106 Resp: 7112450
Ion Ratio Lower Upper
106 100
91 188.0 152.2 228.2





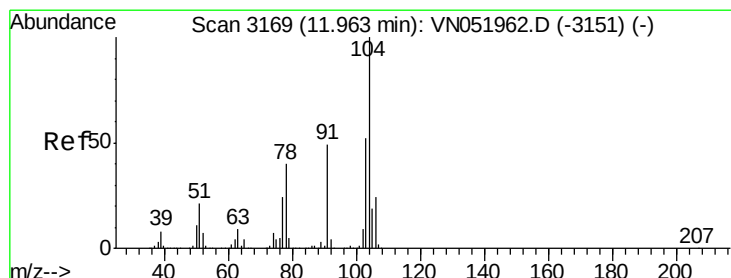
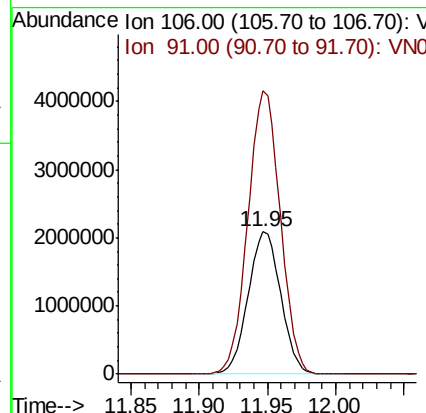
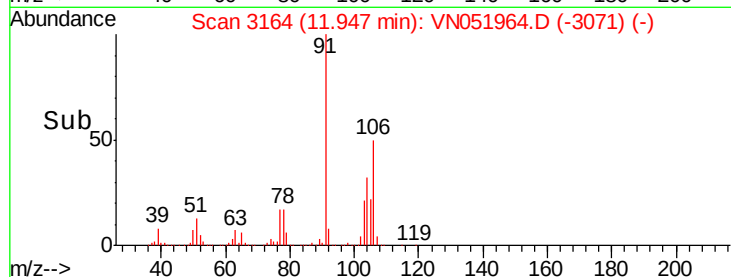
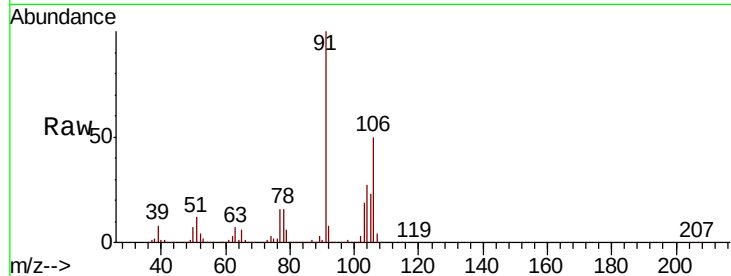
#69
o-Xylene
Concen: 156.575 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 3460400
Ion Ratio Lower Upper
106 100
91 198.1 101.0 303.0

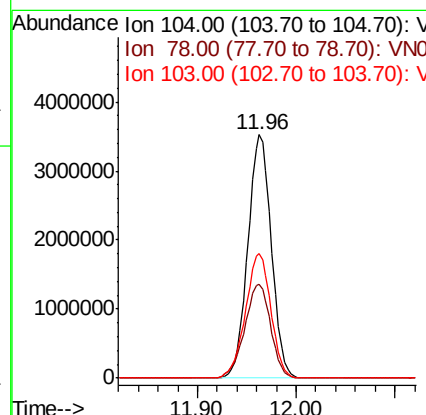
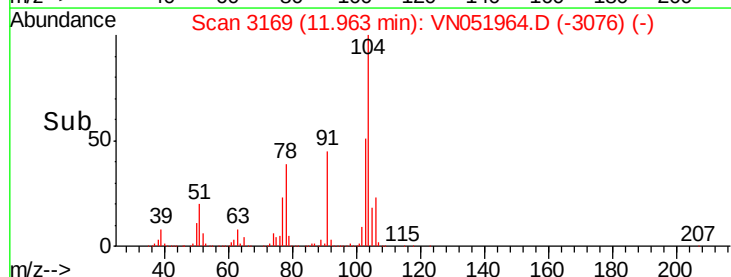
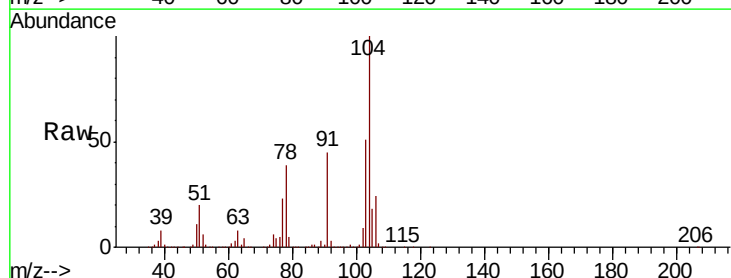
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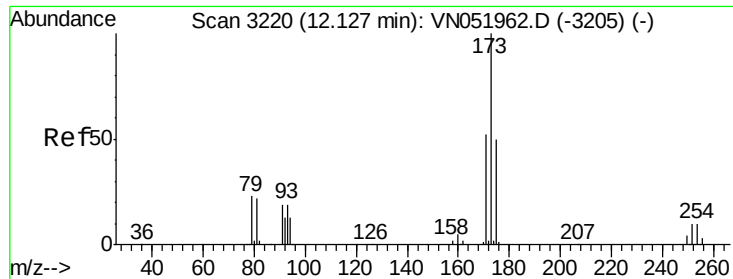
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#70
Styrene
Concen: 163.248 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion:104 Resp: 5766498
Ion Ratio Lower Upper
104 100
78 42.9 35.8 53.6
103 55.5 44.9 67.3





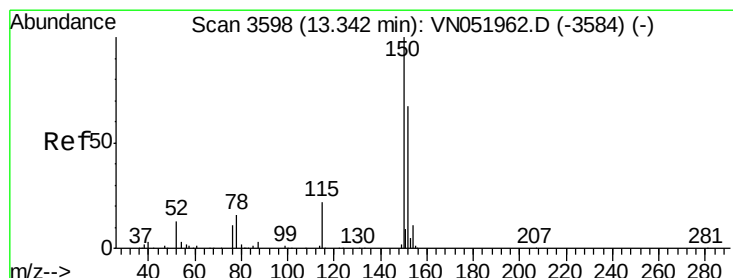
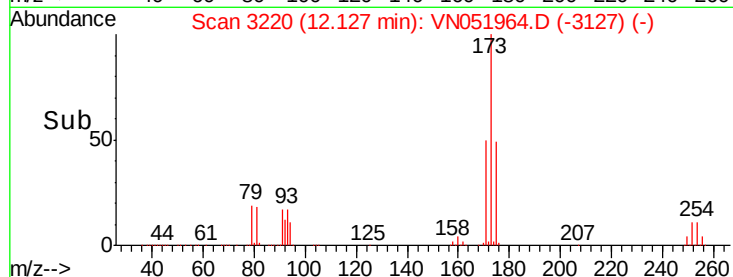
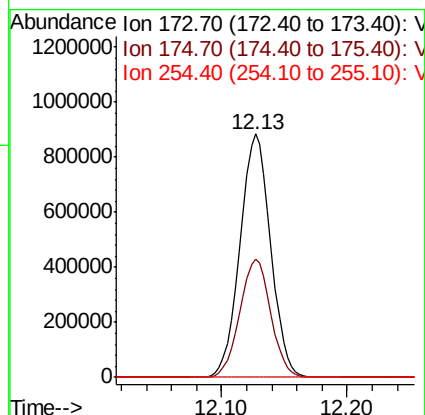
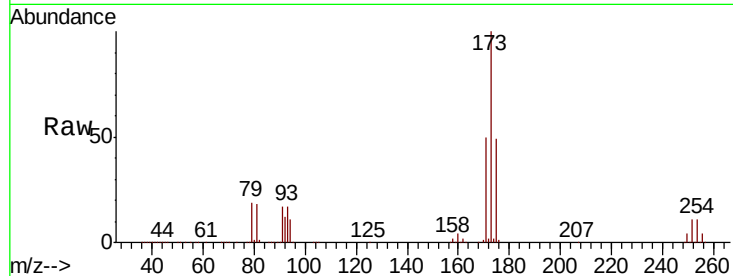
#71
Bromoform
Concen: 192.590 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.1	0.1	0.1

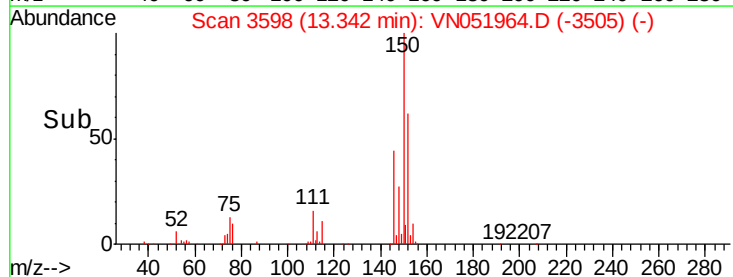
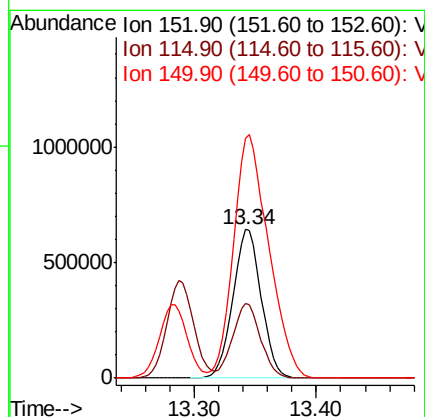
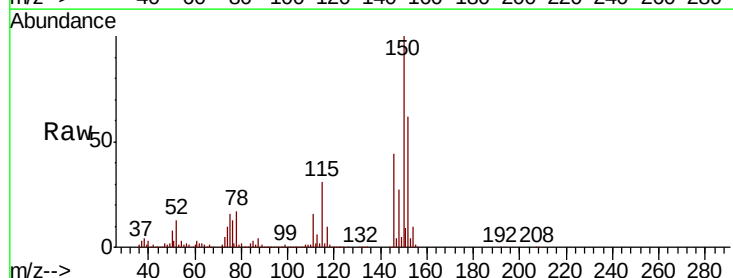
Manual Integrations
APPROVED

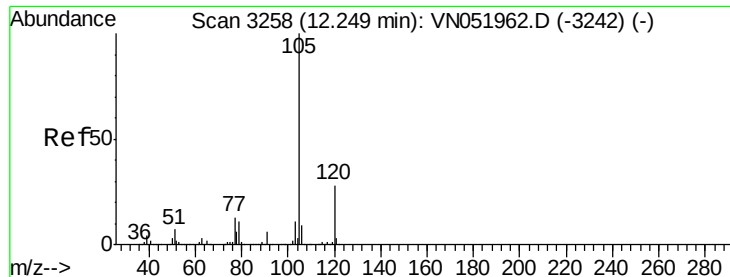
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.4	25.8	77.3
150	203.3	0.0	344.4





#73

Isopropylbenzene

Concen: 141.180 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 9283295

Ion Ratio Lower Upper

105 100

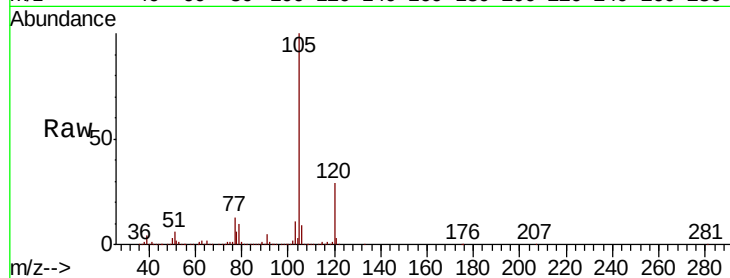
120 28.6 14.0 41.9

Manual Integrations

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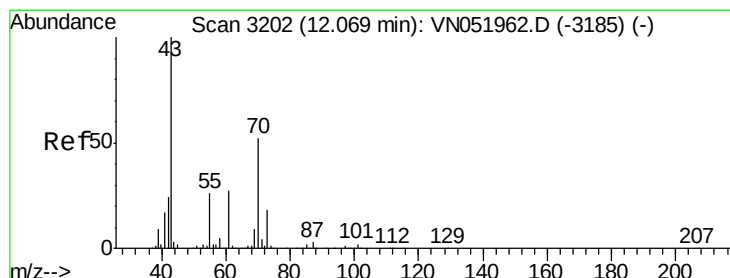
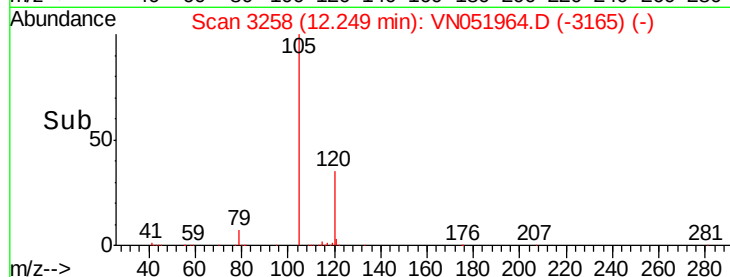
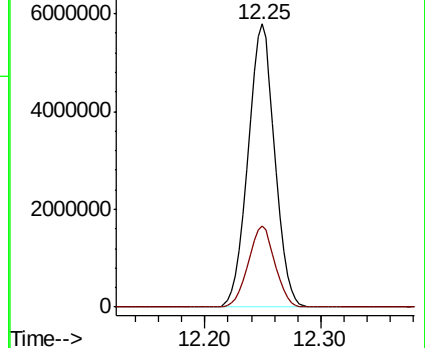
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 133.797 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Tgt Ion: 43 Resp: 1731675

Ion Ratio Lower Upper

43 100

70 51.6 41.3 61.9

55 25.4 21.2 31.8

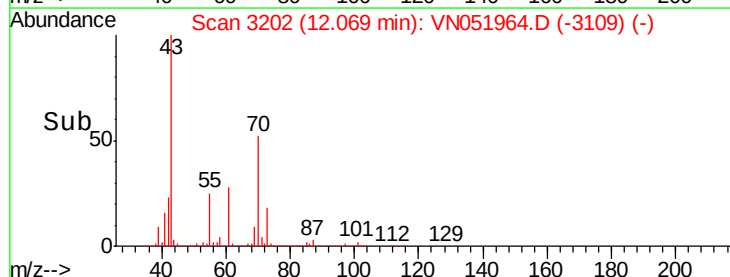
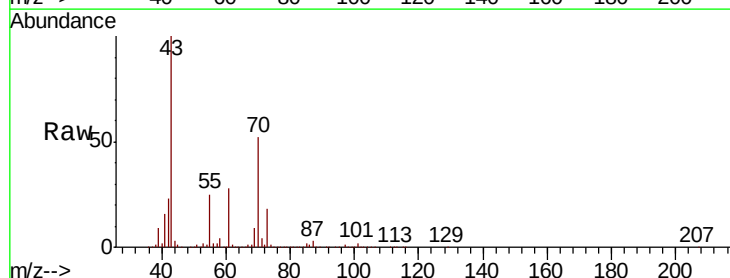
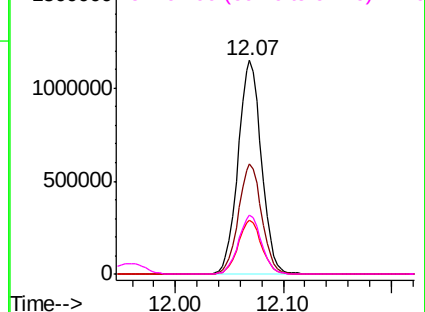
61 27.3 21.8 32.8

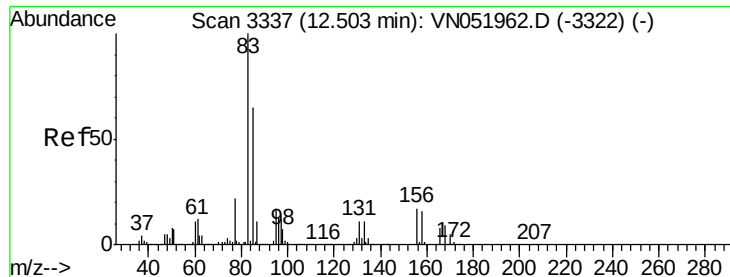
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 130.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1774631

Ion Ratio Lower Upper

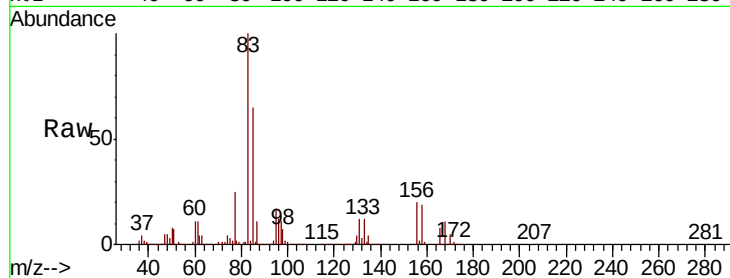
83 100

131 13.0 6.2 18.6

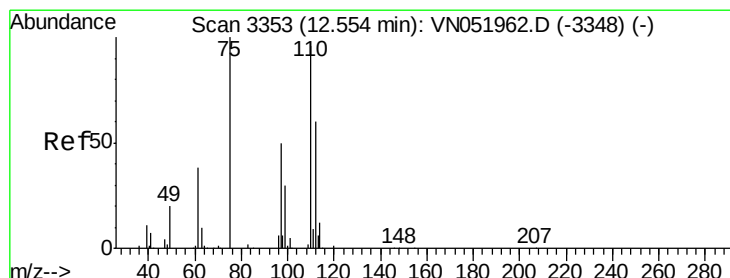
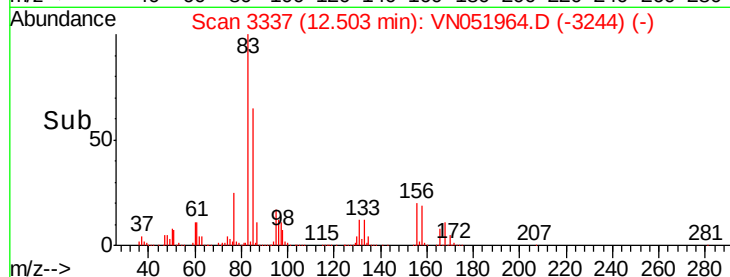
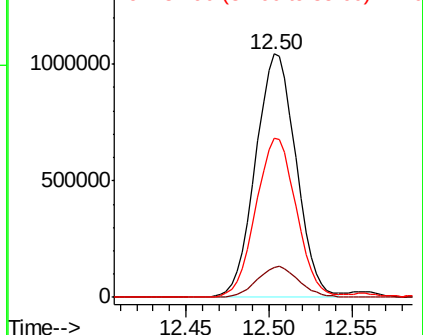
85 65.4 32.7 98.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 131.644 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051964.D

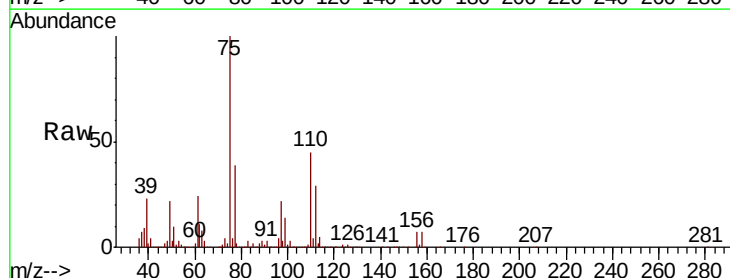
Acq: 23 Oct 2018 14:54

Tgt Ion: 75 Resp: 1390013

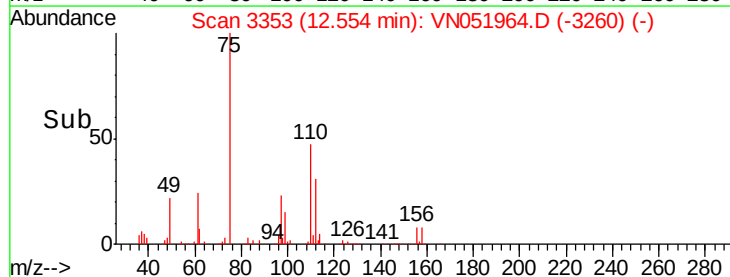
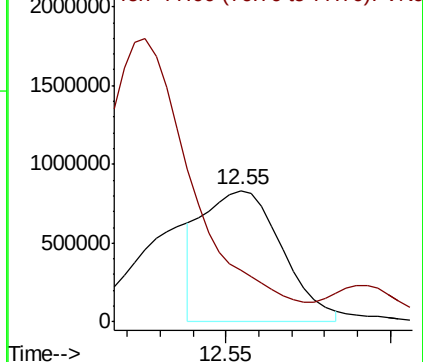
Ion Ratio Lower Upper

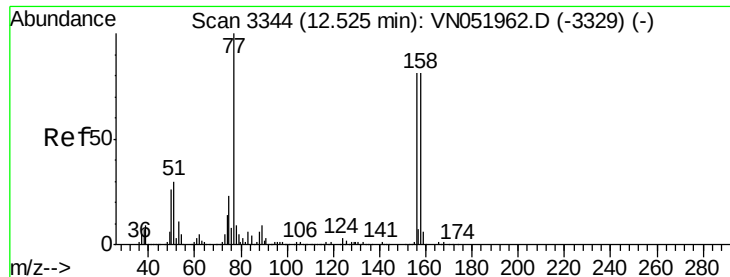
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 150.623 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 2733367

Ion Ratio Lower Upper

156 100

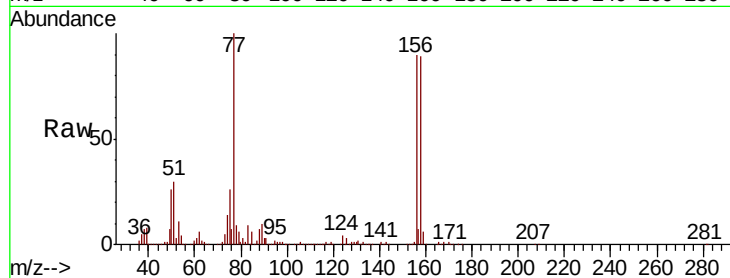
77 128.6 71.1 213.3

158 97.6 49.3 147.8

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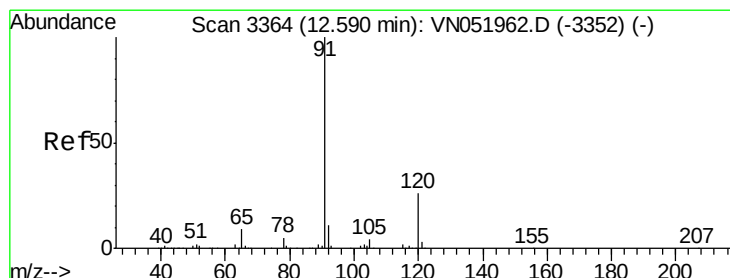
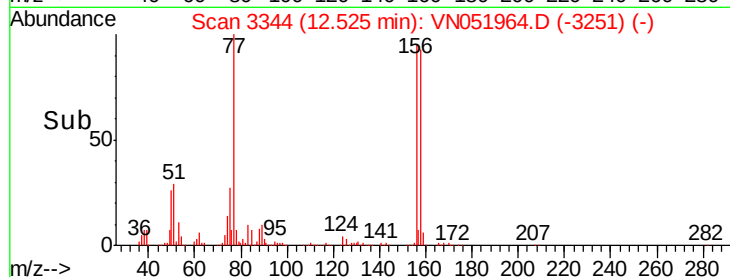
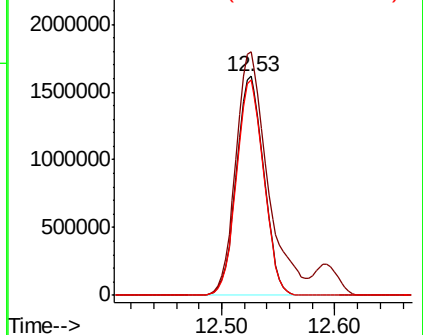
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 142.763 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051964.D

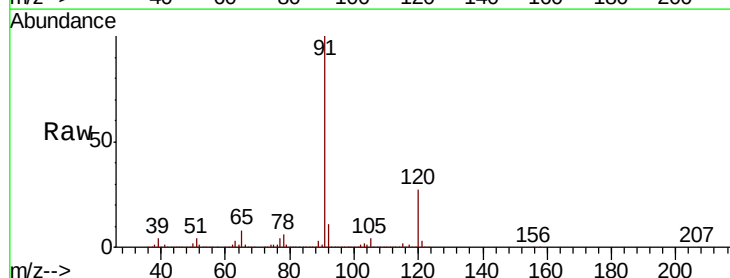
Acq: 23 Oct 2018 14:54

Tgt Ion: 91 Resp:10126601

Ion Ratio Lower Upper

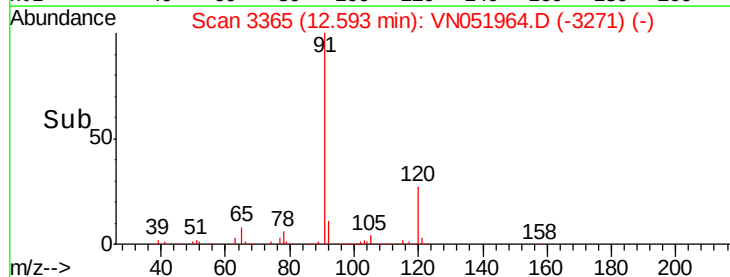
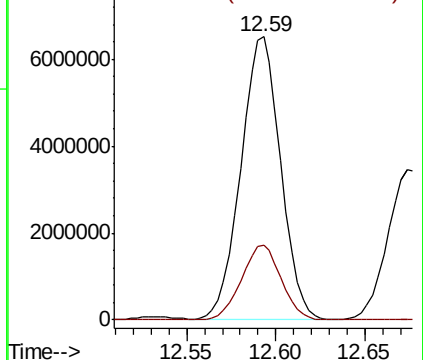
91 100

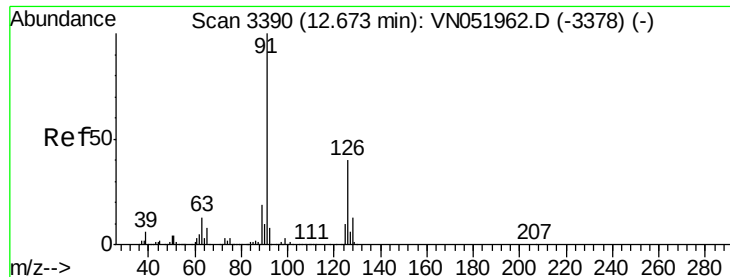
120 26.5 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 139.161 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 5748378

Ion Ratio Lower Upper

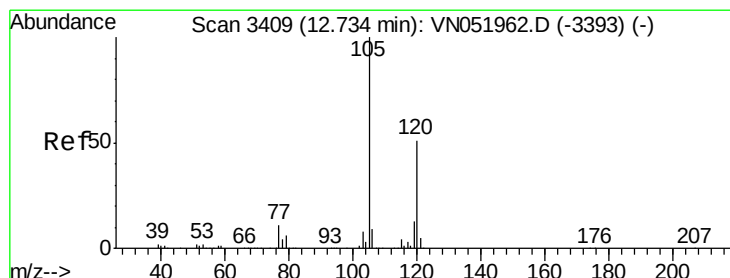
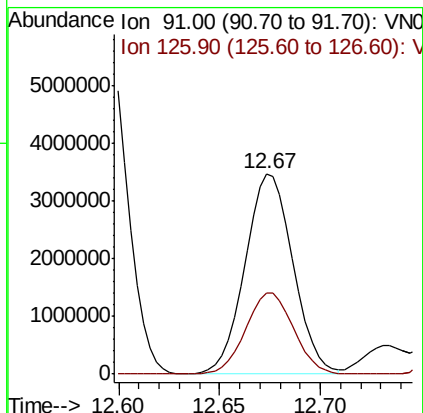
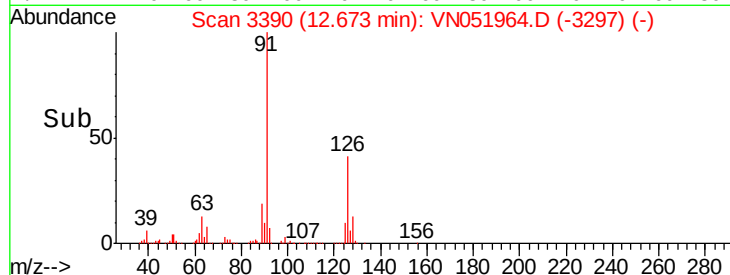
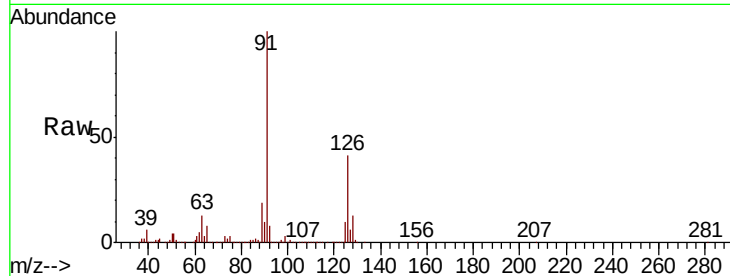
91 100

126 40.9 20.1 60.3

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#80

1,3,5-Trimethylbenzene

Concen: 146.634 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051964.D

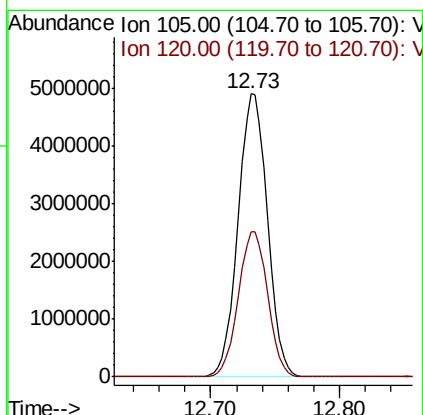
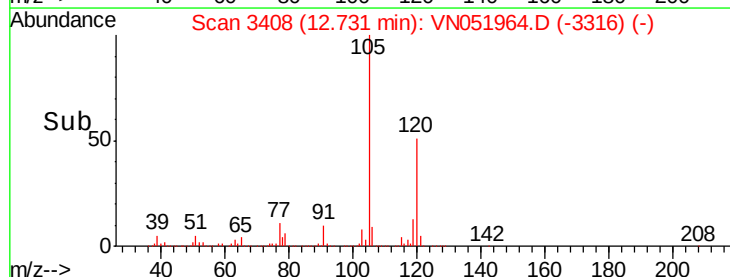
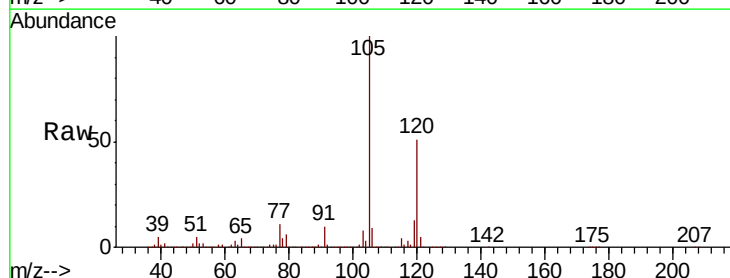
Acq: 23 Oct 2018 14:54

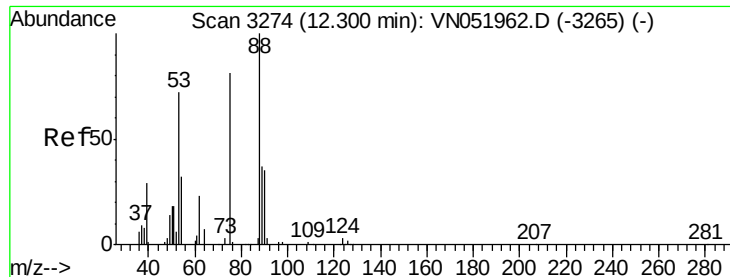
Tgt Ion:105 Resp: 7735719

Ion Ratio Lower Upper

105 100

120 51.4 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 175.154 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

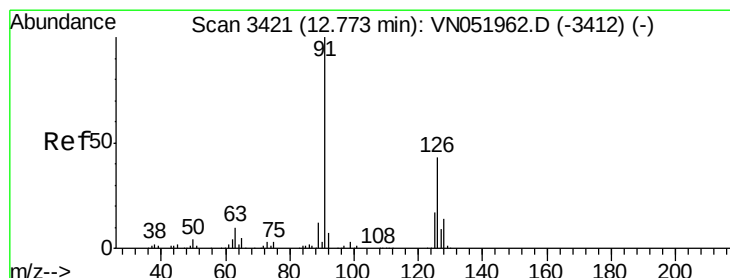
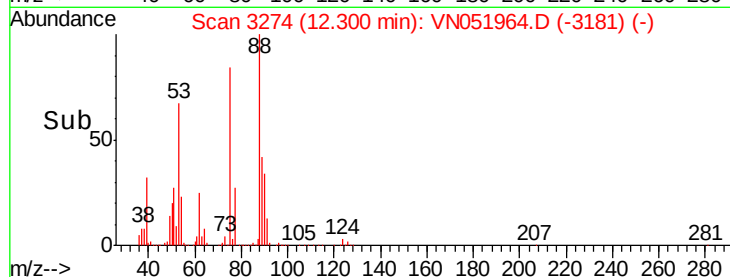
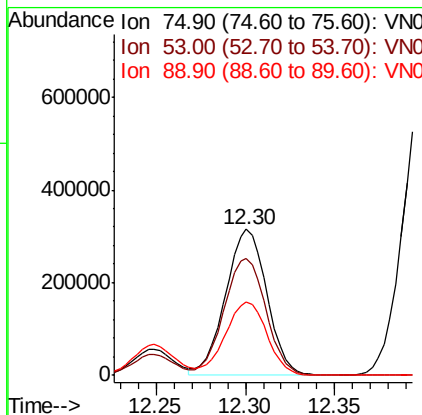
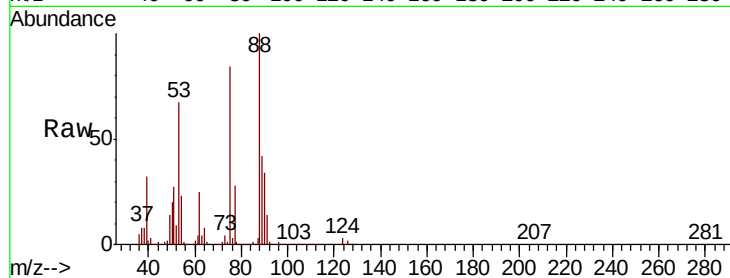
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	505663
Ion	Ratio	Lower	Upper
75	100		
53	82.6	73.5	110.3
89	51.2	41.6	62.4

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#82

4-Chlorotoluene

Concen: 140.772 ug/l

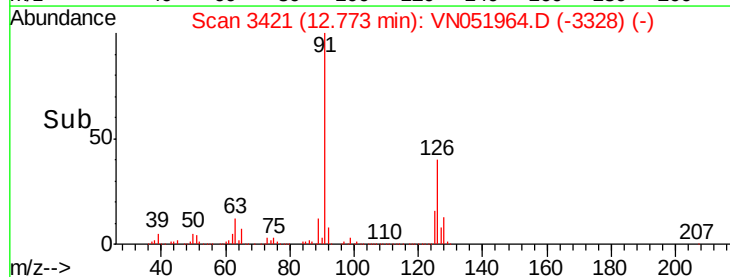
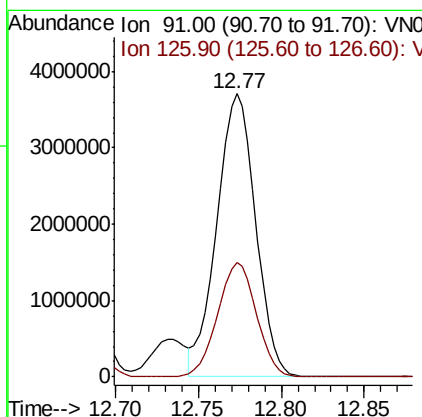
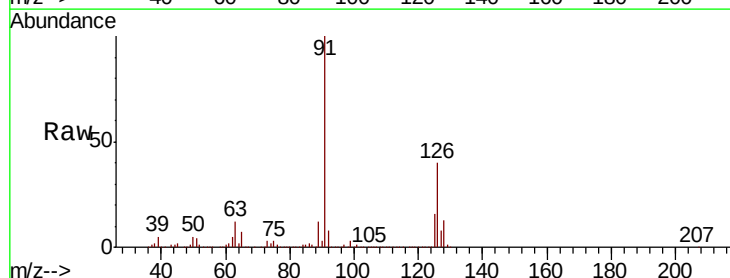
RT: 12.77 min Scan# 3421

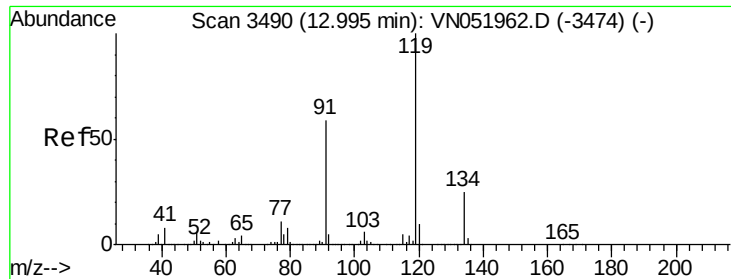
Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Tgt Ion:	91	Resp:	6020515
Ion	Ratio	Lower	Upper
91	100		
126	40.4	19.7	59.0





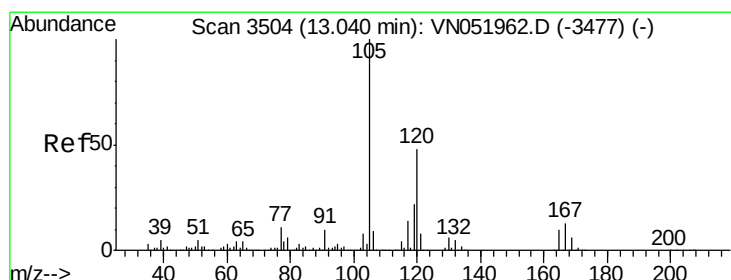
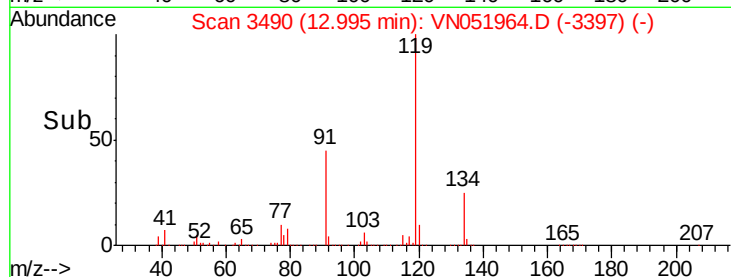
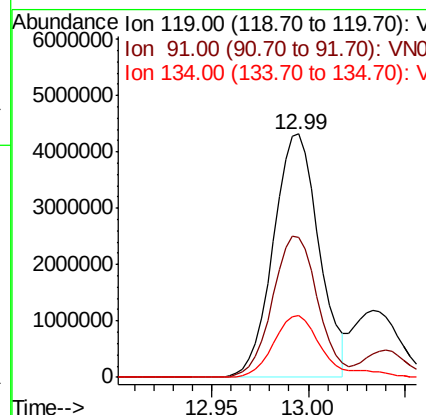
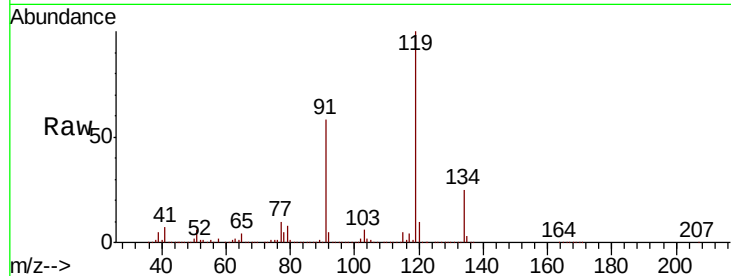
#83
 tert-Butylbenzene
 Concen: 142.073 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 7088872
 Ion Ratio Lower Upper
 119 100
 91 57.5 28.8 86.4
 134 27.4 13.4 40.1

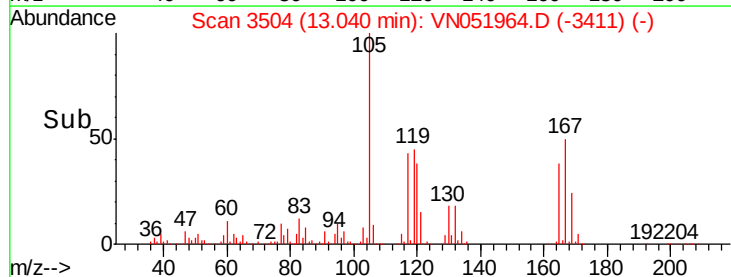
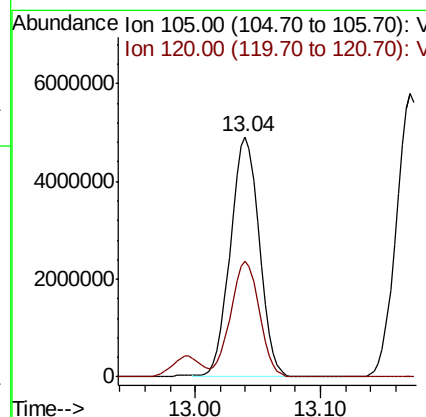
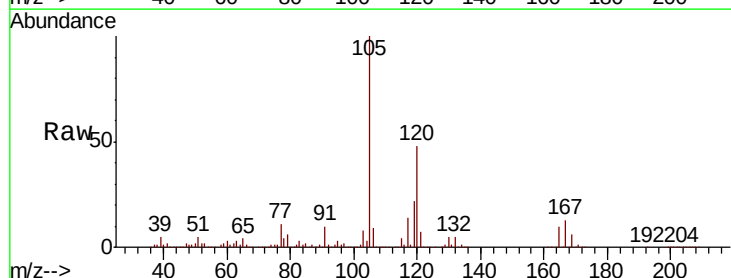
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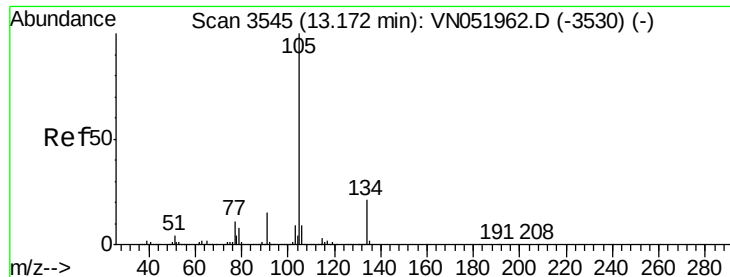
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#84
 1,2,4-Trimethylbenzene
 Concen: 144.178 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion:105 Resp: 7845765
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 143.890 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 9376961

Ion Ratio Lower Upper

105 100

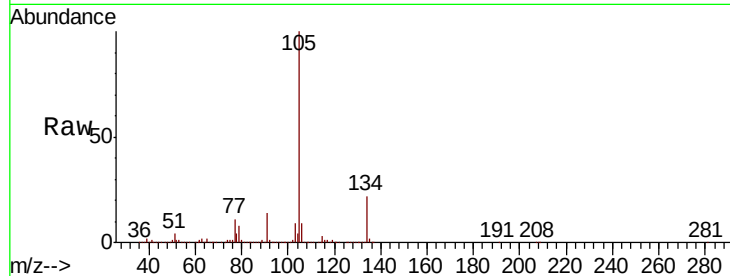
134 22.3 10.9 32.9

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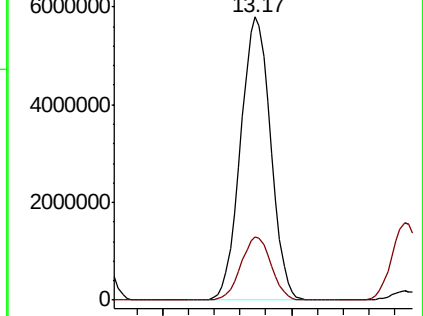
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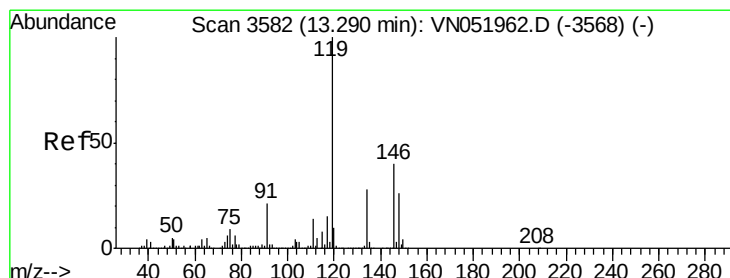
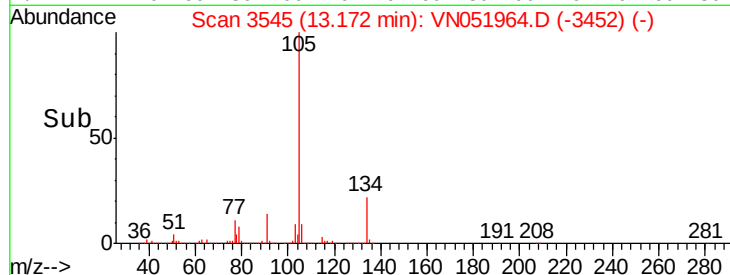


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 150.906 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051964.D

Acq: 23 Oct 2018 14:54

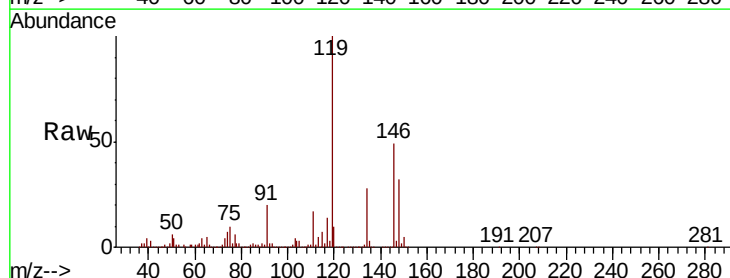
Tgt Ion:119 Resp: 8853803

Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.7

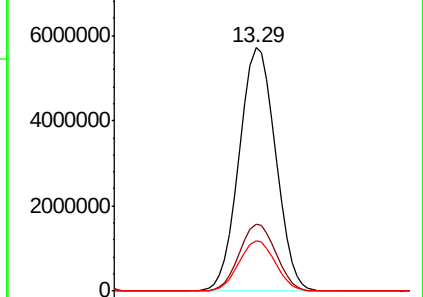
91 20.6 10.6 31.8



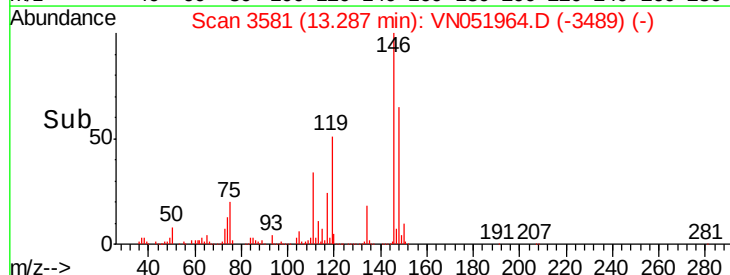
Abundance Ion 119.00 (118.70 to 119.70): V

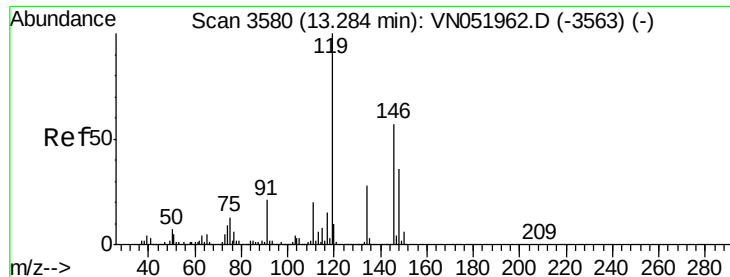
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





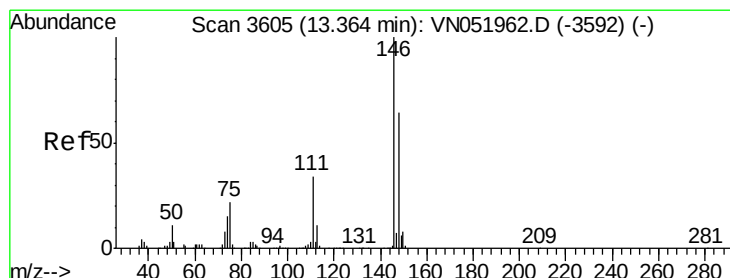
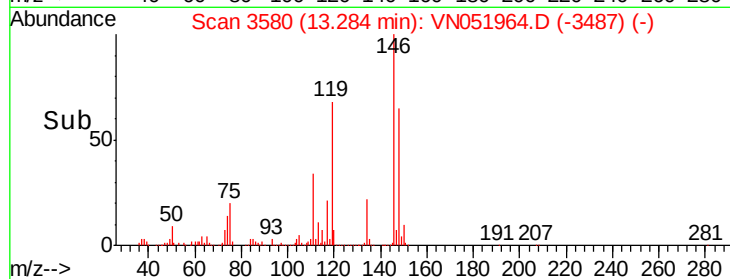
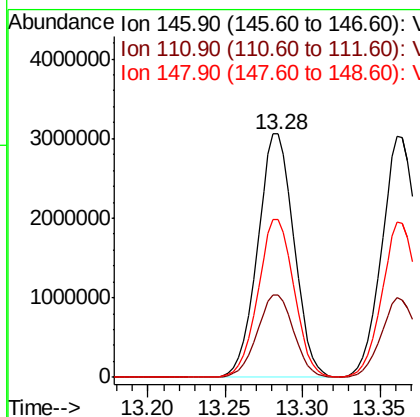
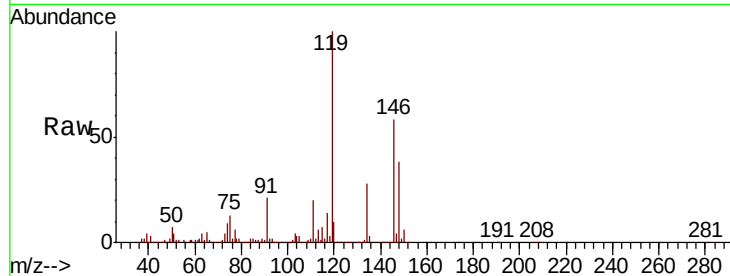
#87
 1,3-Dichlorobenzene
 Concen: 149.093 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.1	17.6	52.8
148	64.6	32.0	96.0

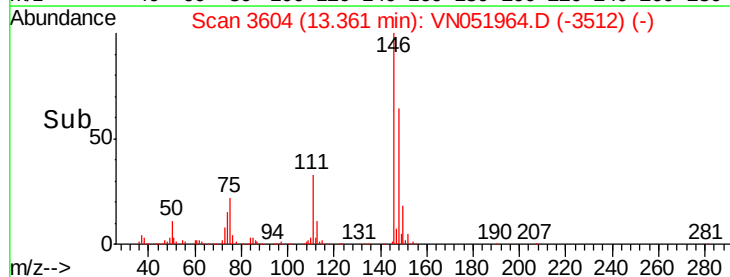
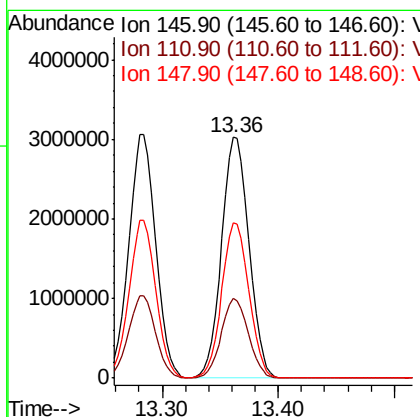
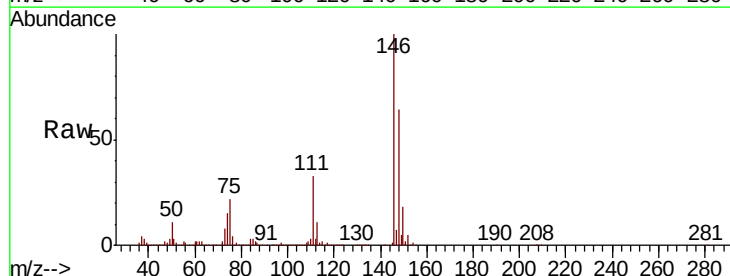
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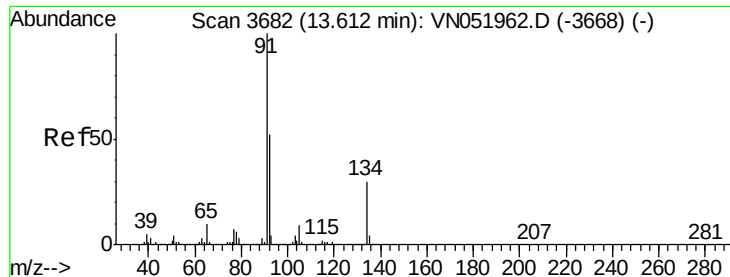
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#88
 1,4-Dichlorobenzene
 Concen: 149.623 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.7	17.3	51.7
148	64.0	32.1	96.3





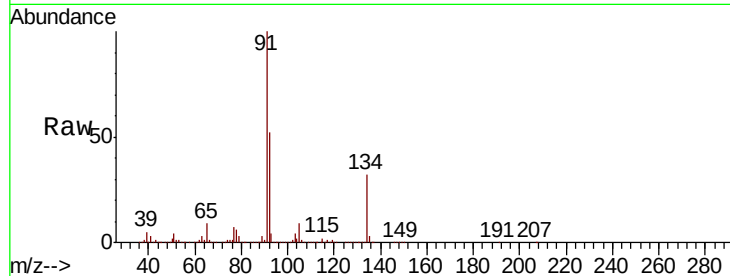
#89
n-Butylbenzene
Concen: 149.336 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

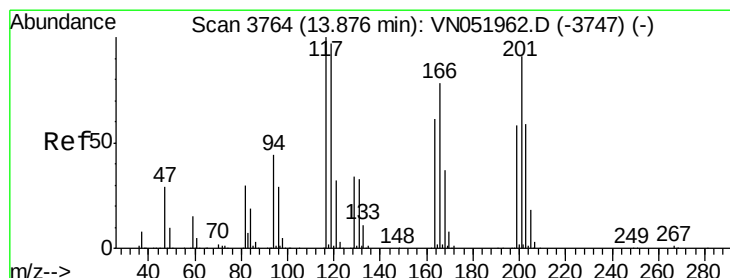
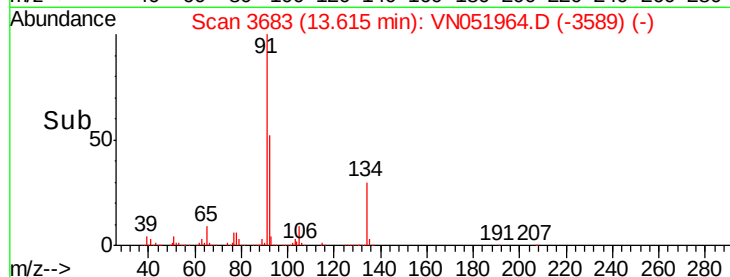
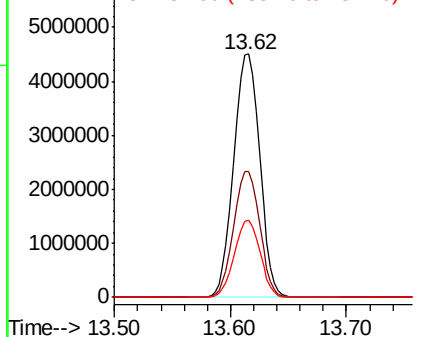
Tot Ion: 91 Resp: 6976644
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.8
134 31.4 15.2 45.6

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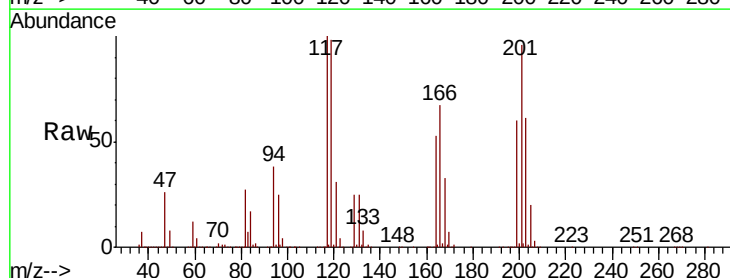


Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)

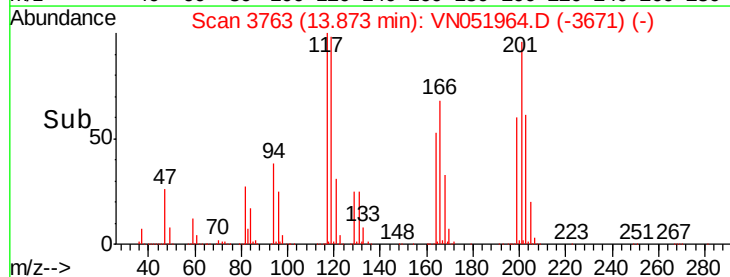
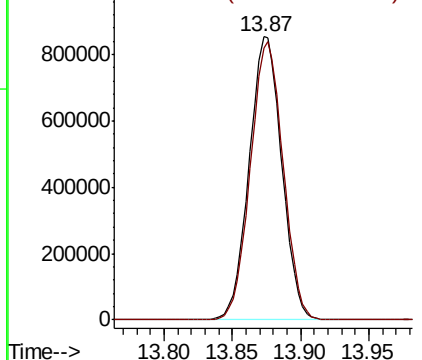


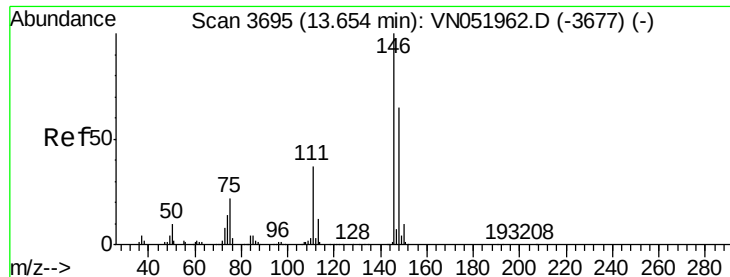
#90
Hexachloroethane
Concen: 161.910 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion: 117 Resp: 1415213
Ion Ratio Lower Upper
117 100
201 98.6 45.6 136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)
Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)





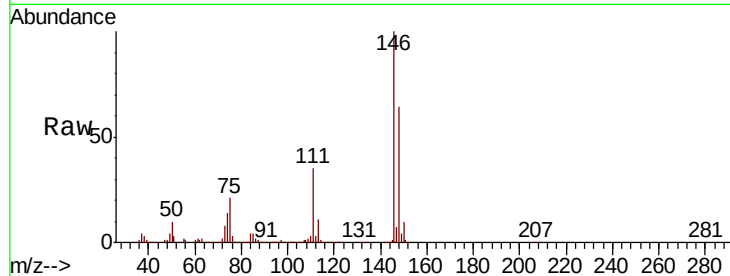
#91
 1,2-Dichlorobenzene
 Concen: 146.989 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

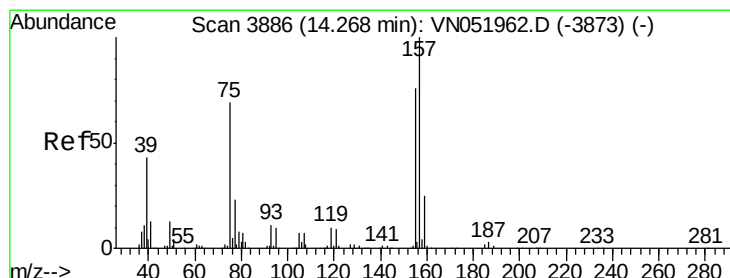
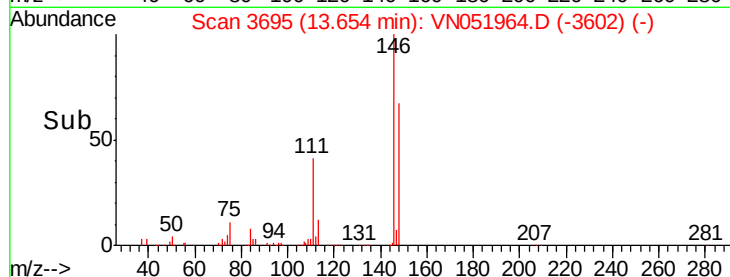
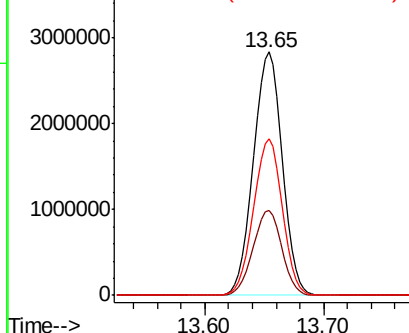
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.3	54.9
148	64.2	32.4	97.0

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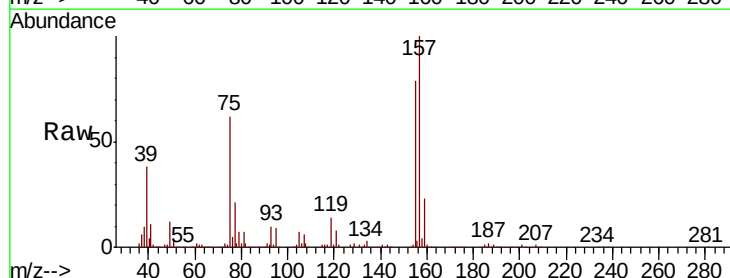


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

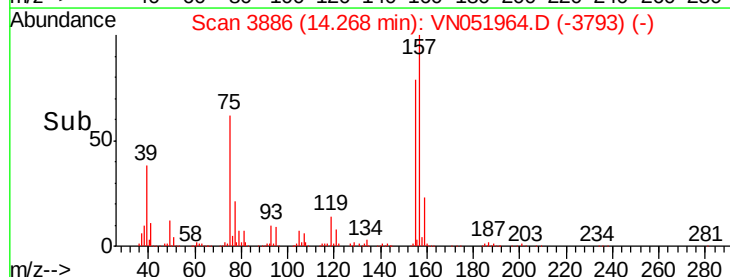
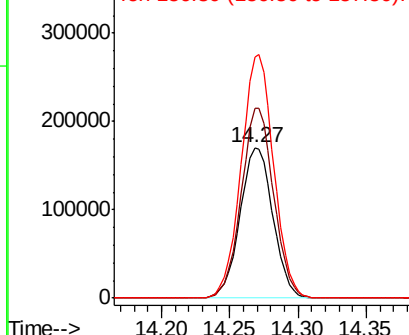


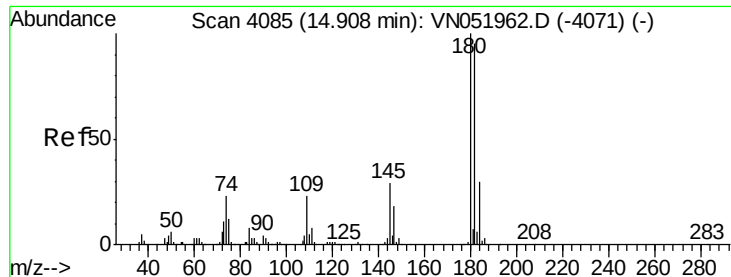
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.461 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	124.4	56.0	167.9
157	159.4	73.9	221.6



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





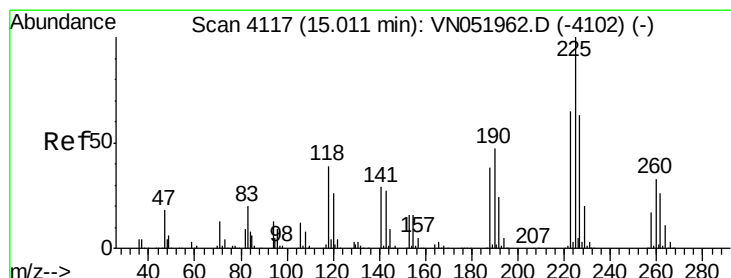
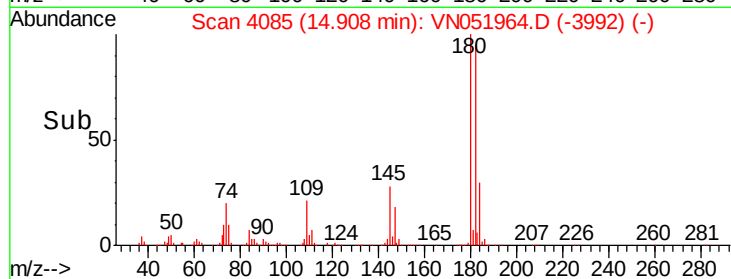
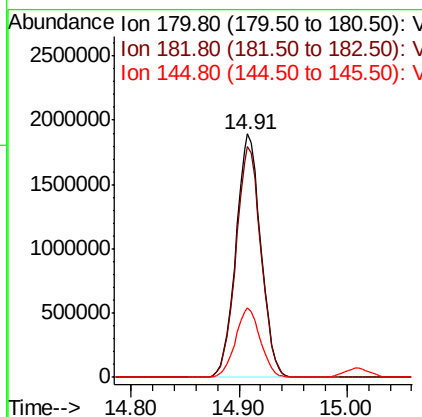
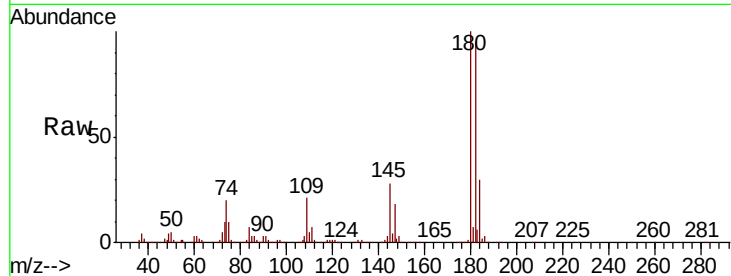
#93
 1,2,4-Trichlorobenzene
 Concen: 158.990 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	28.6	14.5	43.5

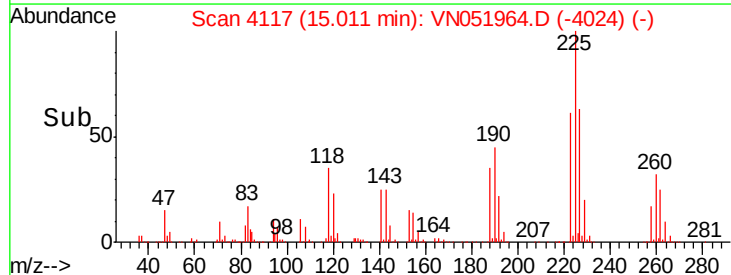
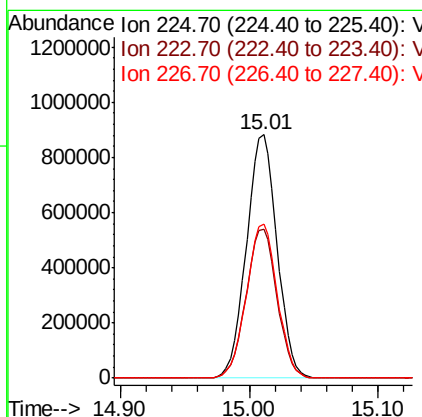
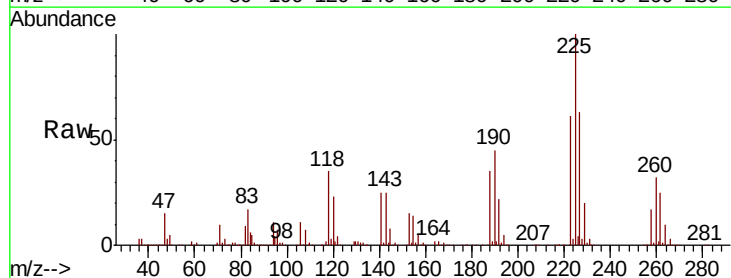
Manual Integrations
 APPROVED

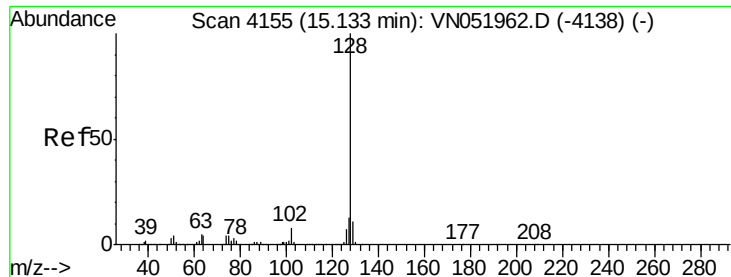
MMDadoda
 10/24/2018 10:09:31 AM



#94
 Hexachlorobutadiene
 Concen: 148.291 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051964.D
 Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.4
227	63.7	31.4	94.2





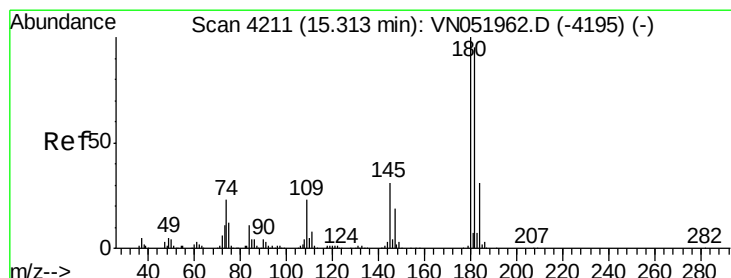
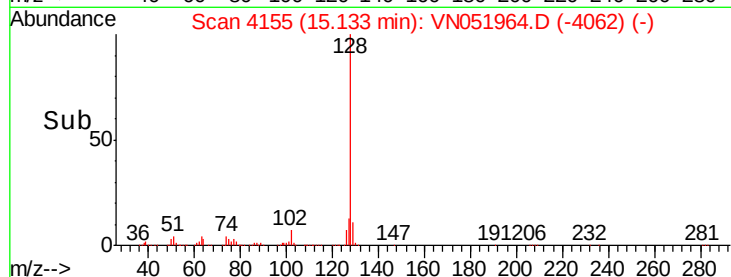
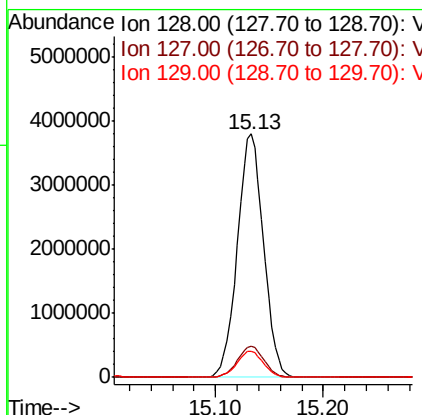
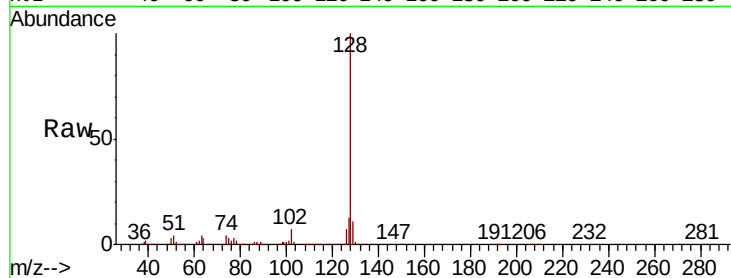
#95
Naphthalene
Concen: 153.937 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 154.849 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051964.D
Acq: 23 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.6
145	29.9	15.4	46.2

